

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: P368035

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

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P368035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
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-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 11880 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

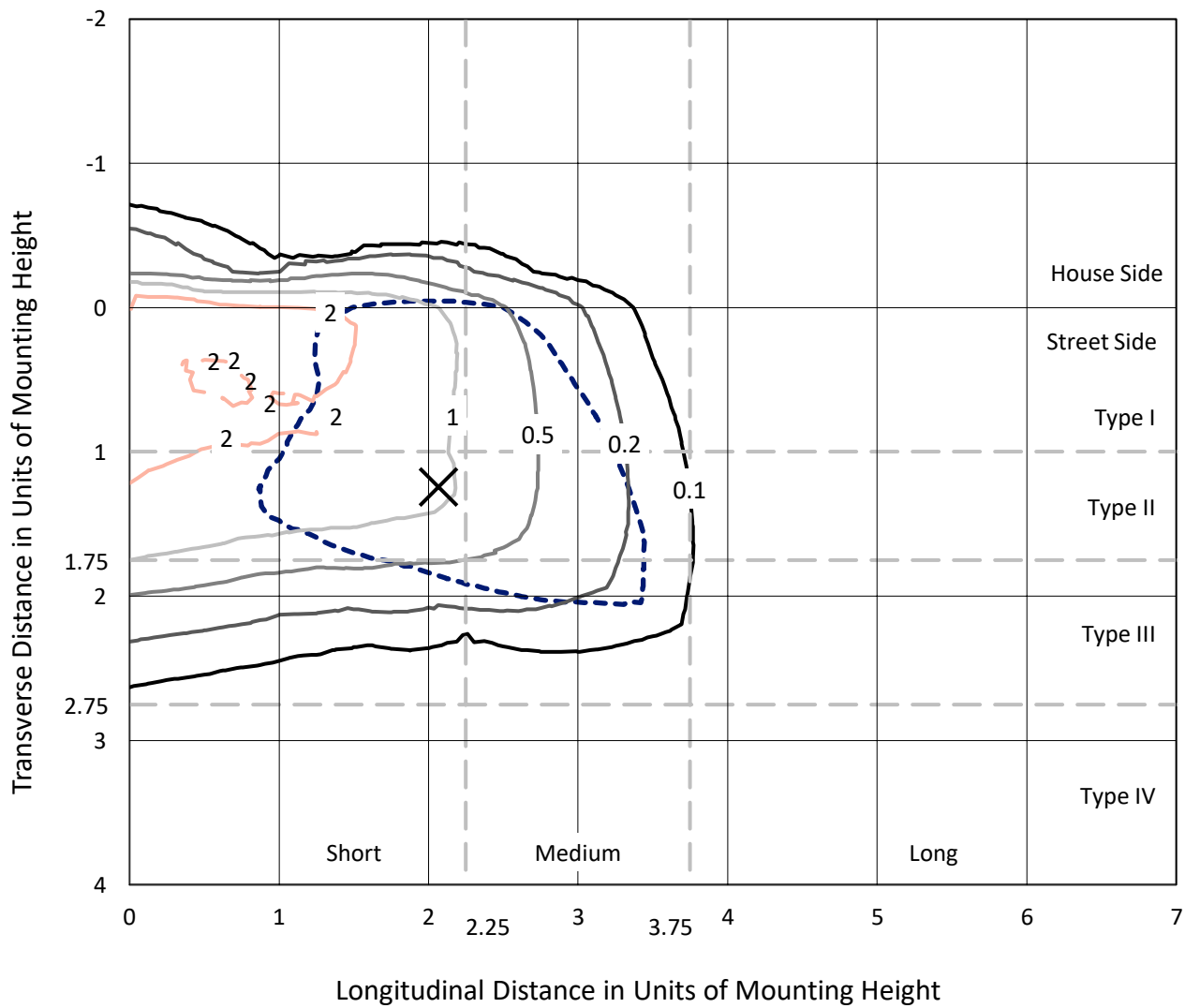
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

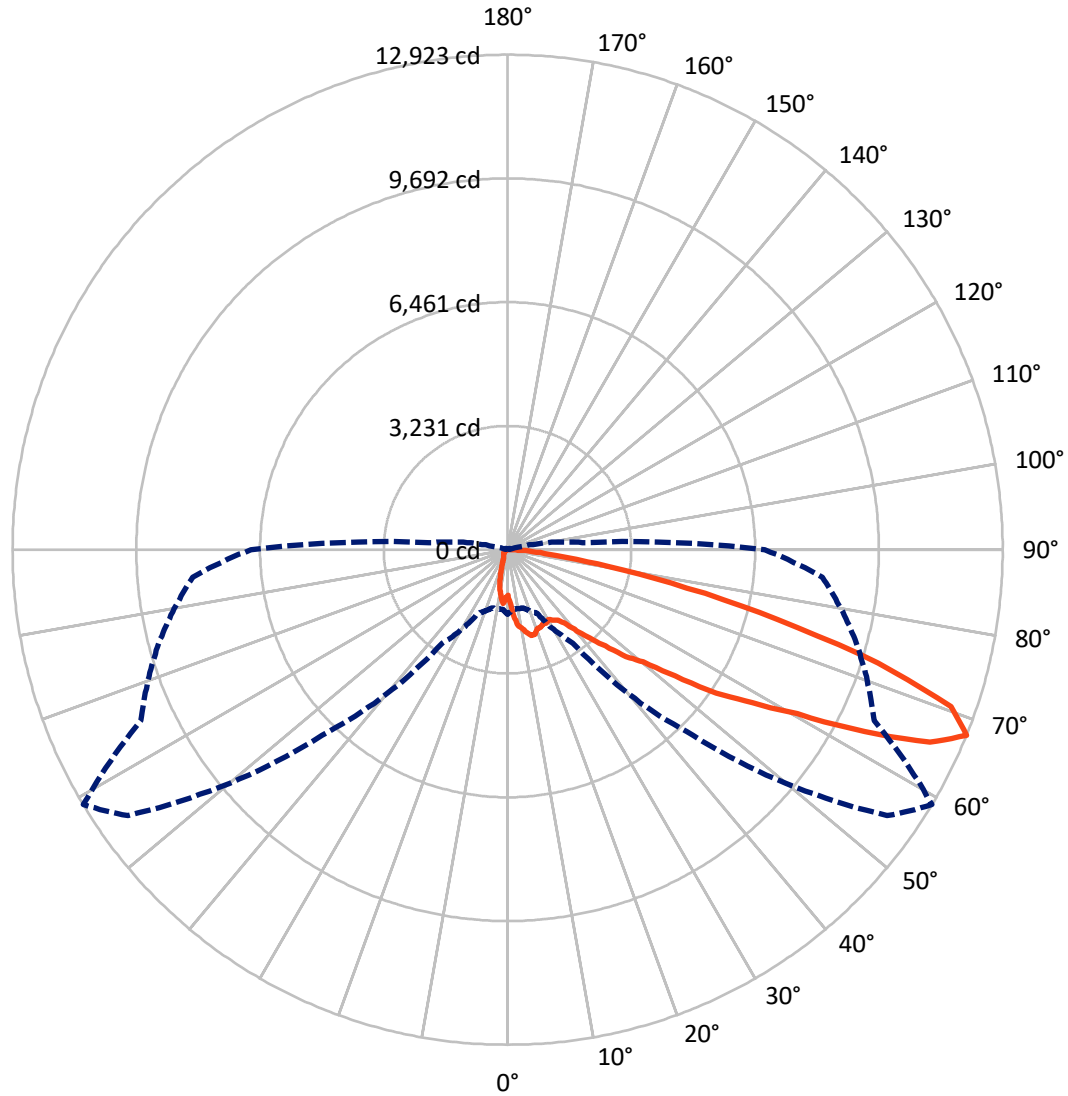
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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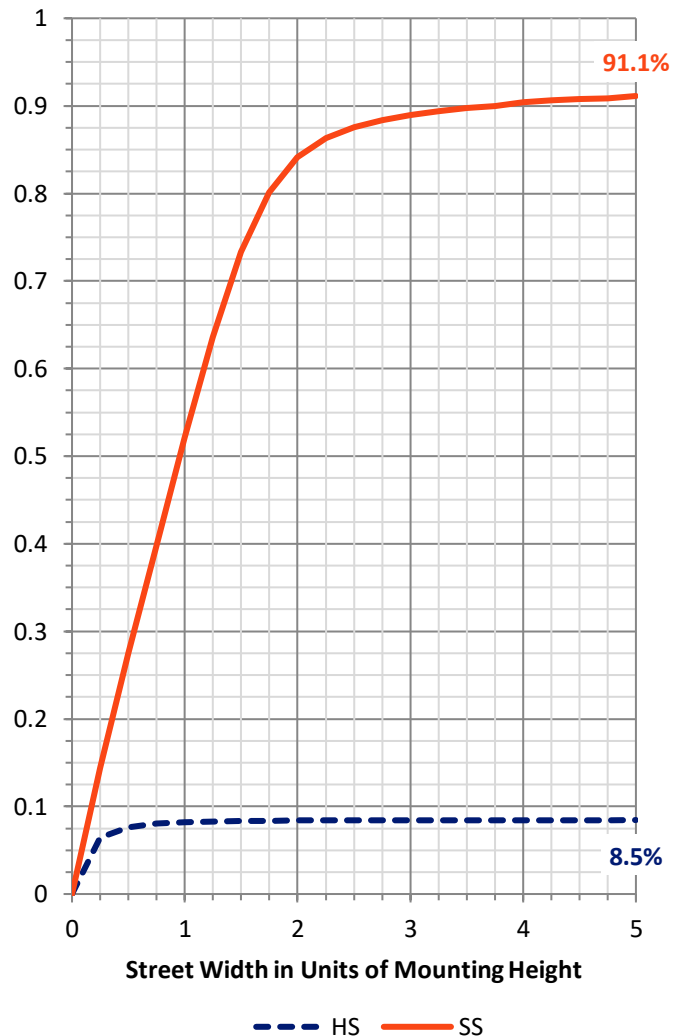
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1010.3 | 0.0 | 1010.3 |
| | % Fixture | 8.5 | 0.0 | 8.5 |
| Street Side | Lumens | 10869.7 | 0.0 | 10869.7 |
| | % Fixture | 91.5 | 0.0 | 91.5 |
| Total | Lumens | 11880.0 | 0.0 | 11880.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 144.5 | 1.2 |
| 10°-20° | 406.9 | 3.4 |
| 20°-30° | 605.3 | 5.1 |
| 30°-40° | 933.9 | 7.9 |
| 40°-50° | 1666.6 | 14.0 |
| 50°-60° | 2965.8 | 25.0 |
| 60°-70° | 3454.1 | 29.1 |
| 70°-80° | 1536.1 | 12.9 |
| 80°-90° | 166.8 | 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° | 11880.0 | 100.0 |
| 0°-180° | 11880.0 | 100.0 |

Coefficient of Utilization

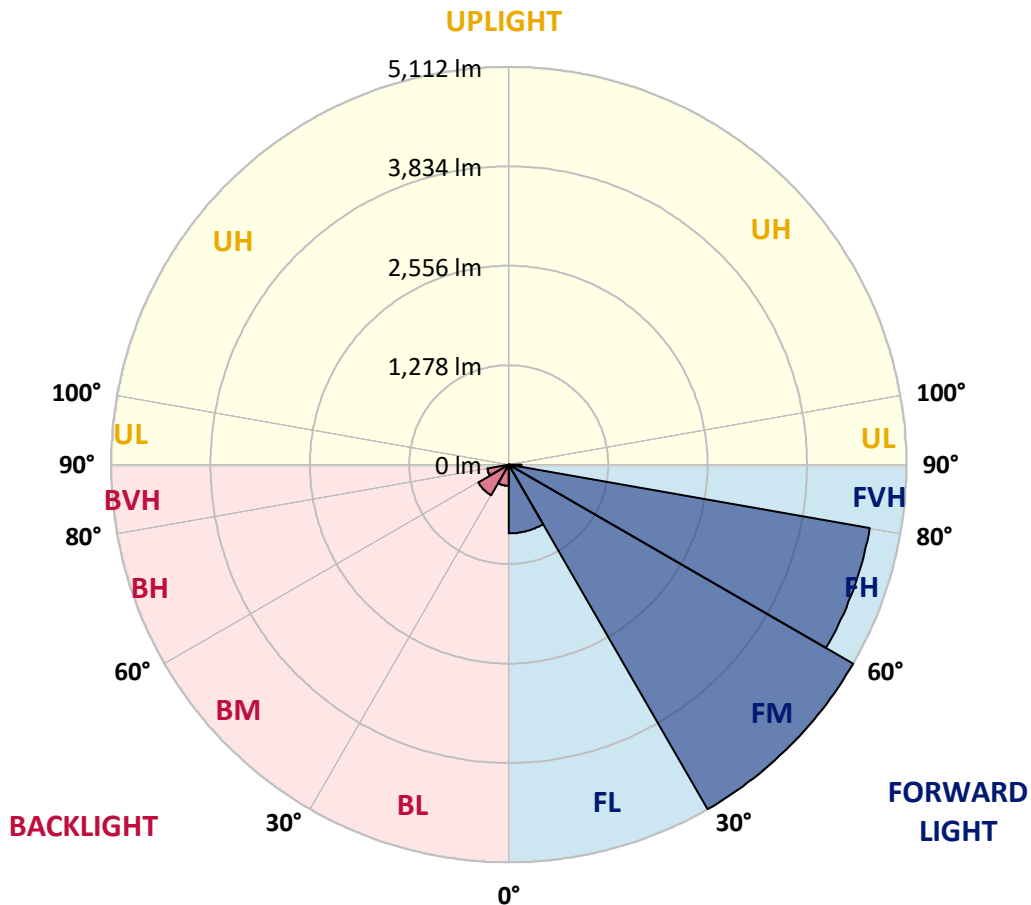


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 883.5 | 7.4 | | | |
| FM (30°-60°) | 5112.0 | 43.0 | | | |
| FH (60°-80°) | 4710.3 | 39.6 | | | G2/5000 |
| FVH (80°-90°) | 163.8 | 1.4 | | | G2/225 |
| BL (0°-30°) | 273.2 | 2.3 | B1/500 | | |
| BM (30°-60°) | 454.3 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 279.8 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0° | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 |
| 2.5° | 1549.6 | 1491.2 | 1408.2 | 1432.9 | 1455.1 | 1476.2 | 1441.3 | 1421.4 | 1411.8 | 1326.4 | 1433.5 |
| 5° | 1902.7 | 1829.9 | 1792.0 | 1782.3 | 1758.3 | 1704.7 | 1793.8 | 1754.1 | 1767.3 | 1784.2 | 1819.0 |
| 7.5° | 2010.3 | 1977.2 | 1922.5 | 1943.0 | 1851.5 | 1843.7 | 1967.0 | 2001.3 | 2046.4 | 2015.7 | 2057.8 |
| 10° | 1955.0 | 1897.8 | 1923.7 | 1916.5 | 1912.9 | 1993.5 | 2080.1 | 2081.9 | 2149.3 | 2181.8 | 2039.2 |
| 12.5° | 1845.5 | 1852.1 | 1944.8 | 1937.5 | 2057.8 | 2219.1 | 2238.9 | 2217.9 | 2327.9 | 2271.4 | 2249.7 |
| 15° | 1918.3 | 1972.4 | 1921.3 | 1938.7 | 1981.5 | 2183.0 | 2253.3 | 2318.3 | 2422.4 | 2456.1 | 2309.9 |
| 17.5° | 2006.1 | 2011.5 | 1918.3 | 1896.6 | 2004.3 | 2098.2 | 2264.2 | 2317.7 | 2327.9 | 2623.3 | 2445.2 |
| 20° | 1958.6 | 2004.9 | 1893.6 | 1757.1 | 1924.3 | 2051.8 | 2220.3 | 2203.4 | 2272.0 | 2672.6 | 2475.9 |
| 22.5° | 2084.9 | 2018.7 | 1876.2 | 1773.3 | 1829.9 | 1946.0 | 2088.5 | 2198.6 | 2301.5 | 2554.7 | 2515.6 |
| 25° | 2096.9 | 2072.9 | 1946.0 | 1854.5 | 1844.9 | 1874.4 | 2072.9 | 2143.9 | 2305.1 | 2660.6 | 2481.9 |
| 27.5° | 2232.3 | 2204.6 | 1944.8 | 1953.8 | 1863.6 | 1772.7 | 1997.1 | 2163.7 | 2370.6 | 2596.2 | 2553.5 |
| 30° | 2406.7 | 2409.1 | 2074.1 | 2102.4 | 1973.6 | 1827.5 | 2059.1 | 2104.8 | 2415.2 | 2699.1 | 2606.4 |
| 32.5° | 2583.6 | 2656.4 | 2329.7 | 2180.0 | 2139.7 | 2035.0 | 1982.1 | 2193.2 | 2366.4 | 2874.7 | 2738.8 |
| 35° | 2852.5 | 2901.8 | 2540.3 | 2406.1 | 2247.9 | 2128.8 | 2191.4 | 2267.2 | 2541.5 | 3107.5 | 2912.6 |
| 37.5° | 3307.8 | 3218.8 | 2918.0 | 2684.6 | 2646.8 | 2471.1 | 2502.4 | 2434.4 | 2720.1 | 3381.8 | 3256.7 |
| 40° | 3564.1 | 3483.5 | 3170.7 | 3057.0 | 2815.2 | 2842.3 | 2743.6 | 2783.3 | 2979.4 | 3667.6 | 3570.1 |
| 42.5° | 3831.2 | 3754.2 | 3479.9 | 3399.3 | 3168.9 | 3057.0 | 3012.5 | 3155.0 | 3377.0 | 4143.4 | 4019.5 |
| 45° | 4099.5 | 3904.0 | 3787.9 | 3828.2 | 3724.7 | 3503.3 | 3451.6 | 3578.5 | 3811.3 | 4728.1 | 4493.5 |
| 47.5° | 4325.6 | 4160.8 | 4073.6 | 4054.9 | 4014.6 | 4322.0 | 4111.5 | 4167.4 | 4270.3 | 5245.4 | 5084.2 |
| 50° | 4733.5 | 4571.1 | 4434.5 | 4396.6 | 4592.7 | 5028.8 | 4704.0 | 4595.7 | 4801.4 | 5870.4 | 5768.7 |
| 52.5° | 5322.4 | 5115.4 | 4898.3 | 4898.9 | 5268.8 | 5508.3 | 5662.2 | 5472.2 | 5510.7 | 6557.9 | 6512.8 |
| 55° | 5795.8 | 5532.9 | 5353.1 | 5495.0 | 6046.6 | 6180.8 | 6768.5 | 6601.8 | 6551.9 | 7195.6 | 7140.2 |
| 57.5° | 5860.8 | 5545.5 | 5460.1 | 5709.2 | 6464.1 | 7320.7 | 7952.9 | 7536.6 | 7460.2 | 7729.1 | 7839.2 |
| 60° | 5254.4 | 4920.0 | 4984.3 | 5384.9 | 6600.0 | 8015.4 | 9040.5 | 8700.6 | 8215.2 | 8354.1 | 8429.9 |
| 62.5° | 3919.0 | 3651.9 | 3832.4 | 4362.9 | 6076.1 | 8481.0 | 10299.5 | 10457.1 | 9091.0 | 8823.3 | 8807.1 |
| 65° | 2542.7 | 2375.5 | 2494.0 | 2928.9 | 4598.1 | 8428.1 | 11424.3 | 12107.7 | 9781.0 | 9205.9 | 8925.6 |
| 67.5° | 1681.9 | 1555.0 | 1571.8 | 1829.3 | 2973.4 | 6854.5 | 12096.9 | 12922.8 | 10556.9 | 9423.0 | 8246.4 |
| 70° | 1253.6 | 1153.7 | 1159.8 | 1299.3 | 1764.9 | 4520.5 | 11159.1 | 12279.7 | 10840.3 | 8670.5 | 6656.0 |
| 72.5° | 904.1 | 837.3 | 893.3 | 1048.5 | 1406.4 | 2390.5 | 8317.4 | 10113.0 | 9452.5 | 6838.8 | 4484.4 |
| 75° | 626.2 | 582.3 | 673.7 | 877.0 | 1283.7 | 1484.0 | 5496.2 | 7279.8 | 6625.3 | 4290.7 | 2027.2 |
| 77.5° | 347.1 | 333.9 | 465.6 | 714.6 | 1165.2 | 1216.3 | 3366.8 | 4783.4 | 3674.8 | 1538.1 | 482.4 |
| 80° | 151.6 | 146.8 | 225.6 | 536.6 | 979.3 | 1099.0 | 1895.4 | 2652.2 | 1445.5 | 274.3 | 155.8 |
| 82.5° | 65.0 | 62.6 | 96.2 | 323.0 | 711.6 | 919.1 | 1168.8 | 1276.5 | 497.5 | 84.8 | 88.4 |
| 85° | 11.4 | 12.6 | 38.5 | 170.2 | 433.1 | 466.8 | 846.4 | 755.5 | 250.2 | 40.3 | 63.2 |
| 87.5° | 0.0 | 0.0 | 6.0 | 33.1 | 81.2 | 133.5 | 366.9 | 264.7 | 47.5 | 13.2 | 10.8 |
| 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-SA3C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 | 1188.6 |
| 2.5° | 1448.5 | 1414.8 | 1286.7 | 1270.4 | 1253.0 | 1227.1 | 1217.5 | 1162.2 | 1154.9 | 1225.9 | 1225.9 |
| 5° | 1802.8 | 1682.5 | 1560.4 | 1464.1 | 1378.1 | 1259.0 | 1225.3 | 1190.4 | 1162.2 | 1154.9 | 1177.2 |
| 7.5° | 1989.9 | 1843.1 | 1651.2 | 1406.4 | 1207.9 | 1035.2 | 963.1 | 912.5 | 856.0 | 872.8 | 881.8 |
| 10° | 1979.6 | 1823.9 | 1579.0 | 1264.4 | 1044.3 | 853.6 | 670.1 | 563.0 | 503.5 | 474.0 | 470.4 |
| 12.5° | 2080.1 | 1933.3 | 1530.3 | 1151.3 | 870.4 | 606.9 | 421.7 | 345.3 | 301.4 | 302.0 | 298.4 |
| 15° | 2138.5 | 1978.4 | 1473.8 | 1008.2 | 613.0 | 390.4 | 292.3 | 275.5 | 269.5 | 276.1 | 272.5 |
| 17.5° | 2241.3 | 2026.0 | 1345.6 | 794.6 | 421.7 | 294.8 | 268.9 | 262.3 | 270.1 | 283.9 | 280.3 |
| 20° | 2233.5 | 1943.6 | 1163.4 | 560.0 | 311.6 | 265.3 | 254.4 | 244.2 | 260.5 | 274.9 | 272.5 |
| 22.5° | 2226.3 | 1863.0 | 991.9 | 413.3 | 260.5 | 241.8 | 232.8 | 228.6 | 237.0 | 253.8 | 257.5 |
| 25° | 2162.5 | 1823.3 | 818.1 | 310.4 | 235.8 | 219.6 | 215.3 | 211.7 | 214.7 | 228.6 | 228.0 |
| 27.5° | 2240.7 | 1722.8 | 631.6 | 260.5 | 218.4 | 199.1 | 195.5 | 189.5 | 183.5 | 195.5 | 197.3 |
| 30° | 2224.5 | 1736.6 | 495.1 | 229.2 | 200.9 | 175.0 | 176.2 | 163.6 | 152.8 | 163.6 | 163.6 |
| 32.5° | 2283.4 | 1635.6 | 396.4 | 208.1 | 183.5 | 164.8 | 149.8 | 136.5 | 128.7 | 135.3 | 136.5 |
| 35° | 2369.4 | 1639.8 | 310.4 | 194.9 | 168.4 | 146.8 | 128.7 | 115.5 | 108.3 | 111.3 | 113.1 |
| 37.5° | 2657.6 | 1610.9 | 259.3 | 184.7 | 163.0 | 135.9 | 117.3 | 99.9 | 95.0 | 98.7 | 100.5 |
| 40° | 2845.3 | 1687.9 | 228.6 | 179.3 | 149.2 | 125.1 | 100.5 | 87.8 | 83.6 | 85.4 | 88.4 |
| 42.5° | 3199.0 | 1730.6 | 213.5 | 173.2 | 136.5 | 107.1 | 86.0 | 78.8 | 72.8 | 75.2 | 77.6 |
| 45° | 3577.3 | 1803.4 | 202.1 | 166.6 | 126.9 | 93.8 | 75.8 | 69.8 | 62.0 | 62.6 | 65.0 |
| 47.5° | 4042.3 | 1976.6 | 188.9 | 155.2 | 113.7 | 85.4 | 67.4 | 58.3 | 51.1 | 50.5 | 53.5 |
| 50° | 4666.7 | 2208.2 | 176.9 | 140.8 | 105.3 | 78.2 | 59.0 | 47.5 | 41.5 | 39.7 | 42.1 |
| 52.5° | 5333.2 | 2507.8 | 164.2 | 130.5 | 95.0 | 68.6 | 50.5 | 38.5 | 33.1 | 31.9 | 33.7 |
| 55° | 5993.7 | 2795.3 | 152.2 | 123.9 | 84.2 | 59.0 | 42.7 | 31.9 | 27.1 | 25.9 | 27.1 |
| 57.5° | 6746.2 | 3106.3 | 136.5 | 110.7 | 74.0 | 51.1 | 35.5 | 26.5 | 22.3 | 21.1 | 21.7 |
| 60° | 7312.9 | 3215.8 | 123.3 | 96.2 | 64.4 | 45.1 | 30.1 | 21.1 | 18.0 | 16.8 | 17.4 |
| 62.5° | 7581.7 | 3037.1 | 110.7 | 83.6 | 56.5 | 39.1 | 25.3 | 17.4 | 15.0 | 13.8 | 13.8 |
| 65° | 7512.0 | 2641.3 | 98.1 | 71.6 | 48.7 | 32.5 | 19.9 | 15.0 | 13.2 | 11.4 | 10.8 |
| 67.5° | 6705.9 | 2066.9 | 83.6 | 60.2 | 40.9 | 26.5 | 16.8 | 14.4 | 12.0 | 10.8 | 9.0 |
| 70° | 5318.2 | 1496.6 | 68.0 | 49.9 | 34.3 | 21.7 | 13.2 | 13.2 | 11.4 | 10.8 | 8.4 |
| 72.5° | 3485.9 | 942.0 | 55.3 | 40.3 | 28.3 | 16.8 | 10.2 | 12.0 | 10.8 | 10.8 | 7.8 |
| 75° | 1510.5 | 336.9 | 44.5 | 32.5 | 23.5 | 11.4 | 9.0 | 10.8 | 11.4 | 10.8 | 9.0 |
| 77.5° | 353.7 | 104.7 | 34.9 | 25.9 | 19.2 | 7.8 | 9.0 | 10.8 | 11.4 | 10.2 | 7.8 |
| 80° | 132.9 | 44.5 | 22.9 | 16.8 | 15.0 | 4.8 | 7.8 | 6.6 | 6.0 | 4.2 | 1.2 |
| 82.5° | 80.6 | 18.6 | 12.0 | 8.4 | 7.2 | 1.2 | 3.6 | 2.4 | 1.2 | 1.2 | 0.0 |
| 85° | 57.1 | 9.0 | 6.6 | 6.0 | 3.6 | 0.0 | 0.6 | 0.0 | 0.0 | 0.6 | 0.0 |
| 87.5° | 7.8 | 2.4 | 3.0 | 3.0 | 2.4 | 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)