

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: P366890

Luminaire Tested: **PMM-SA1C-730-U-SL2**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1C-730-U-SL2  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

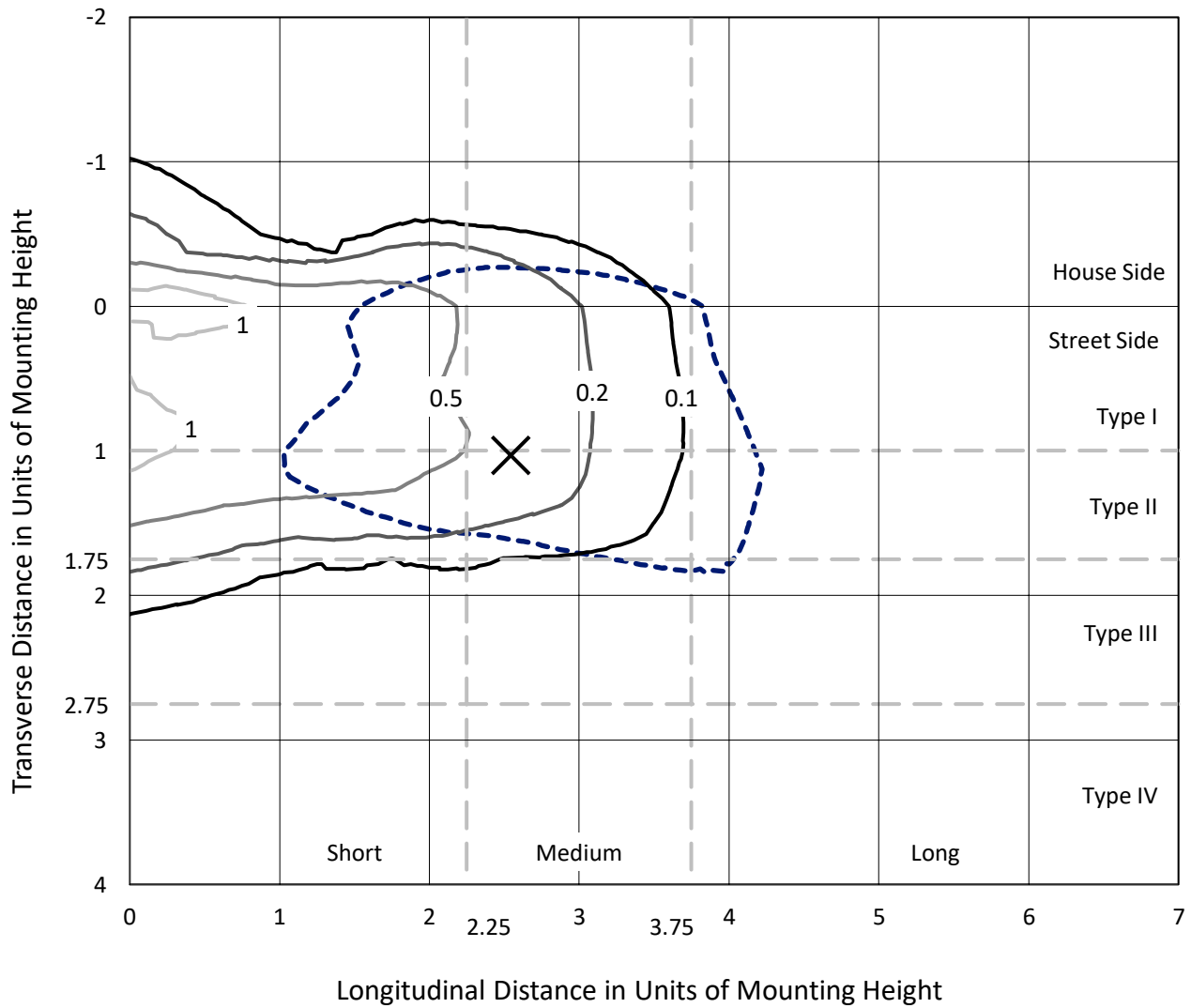
Lumens per Lamp: N/A  
Luminaire Lumens: 5674 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P366890  
 CATALOG NUMBER: PMM-SA1C-730-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

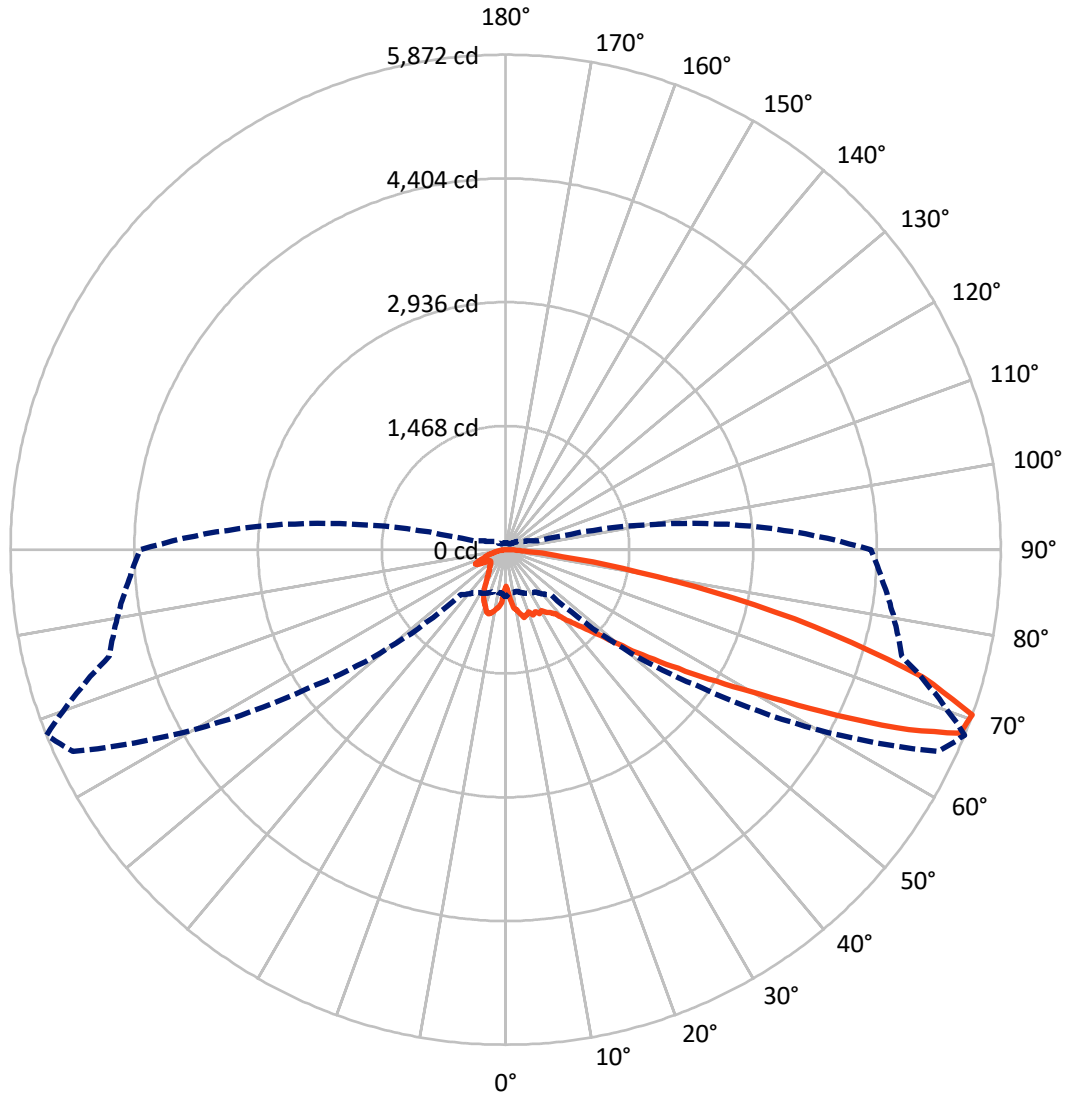
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P366890  
CATALOG NUMBER: PMM-SA1C-730-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P366890  
 CATALOG NUMBER: PMM-SA1C-730-U-SL2

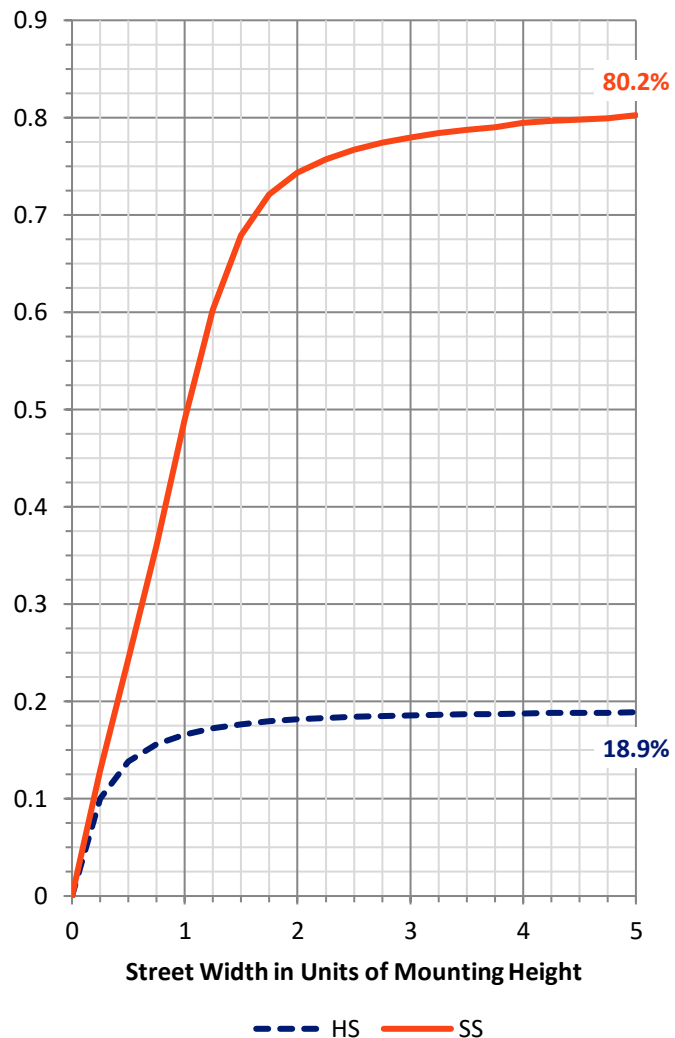
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1083.3   | 0.0    | 1083.3 |
|                    | % Fixture | 19.1     | 0.0    | 19.1   |
| <b>Street Side</b> | Lumens    | 4590.7   | 0.0    | 4590.7 |
|                    | % Fixture | 80.9     | 0.0    | 80.9   |
| <b>Total</b>       | Lumens    | 5674.0   | 0.0    | 5674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.1   | 1.0       |
| 10°-20°   | 189.4  | 3.3       |
| 20°-30°   | 288.1  | 5.1       |
| 30°-40°   | 440.0  | 7.8       |
| 40°-50°   | 756.6  | 13.3      |
| 50°-60°   | 1252.3 | 22.1      |
| 60°-70°   | 1543.9 | 27.2      |
| 70°-80°   | 991.8  | 17.5      |
| 80°-90°   | 153.8  | 2.7       |
| 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°    | 5674.0 | 100.0     |
| 0°-180°   | 5674.0 | 100.0     |

**Coefficient of Utilization**

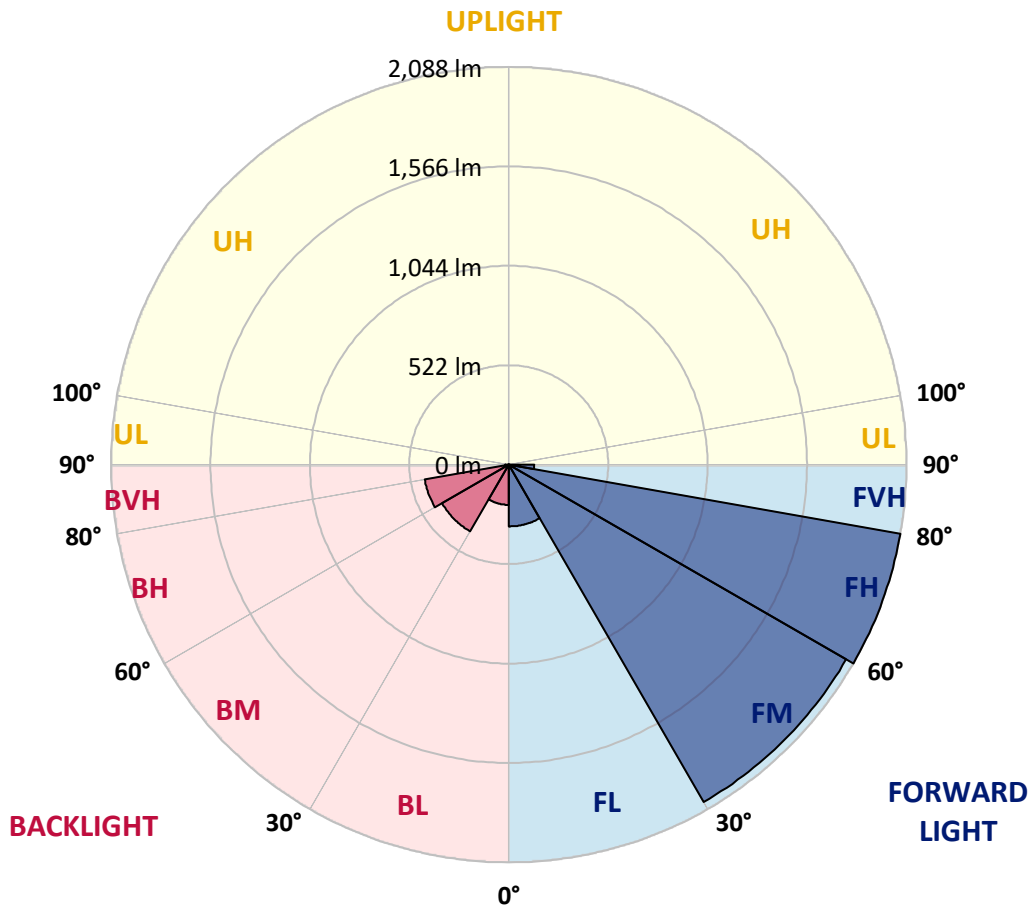


REPORT NUMBER: P366890  
 CATALOG NUMBER: PMM-SA1C-730-U-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 324.5  | 5.7       |                         |      |         |
| FM (30°-60°)   | 2044.6 | 36.0      |                         |      |         |
| FH (60°-80°)   | 2087.6 | 36.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 134.1  | 2.4       |                         |      | G2/225  |
| BL (0°-30°)    | 211.1  | 3.7       | B1/500                  |      |         |
| BM (30°-60°)   | 404.4  | 7.1       | B1/1000                 |      |         |
| BH (60°-80°)   | 448.1  | 7.9       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 19.7   | 0.3       |                         |      | 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 III Medium





REPORT NUMBER: P366890

CATALOG NUMBER: PMM-SA1C-730-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 68°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  | 435.0  |
| 2.5°  | 499.9  | 479.7  | 459.3  | 469.2  | 485.2  | 499.2  | 496.3  | 498.0  | 478.7  | 476.1  | 526.7  |
| 5°    | 588.9  | 554.3  | 553.5  | 554.0  | 555.4  | 539.3  | 578.7  | 599.1  | 603.6  | 624.5  | 674.2  |
| 7.5°  | 619.8  | 605.8  | 591.5  | 598.7  | 580.6  | 582.3  | 630.7  | 683.9  | 696.5  | 711.7  | 779.6  |
| 10°   | 613.4  | 600.1  | 604.4  | 605.5  | 608.9  | 635.7  | 666.8  | 717.9  | 728.6  | 777.0  | 794.6  |
| 12.5° | 614.3  | 612.0  | 631.9  | 632.6  | 668.2  | 716.4  | 728.8  | 775.8  | 780.1  | 815.7  | 889.1  |
| 15°   | 646.9  | 663.3  | 652.1  | 658.0  | 664.9  | 722.6  | 740.4  | 807.9  | 833.5  | 879.4  | 934.4  |
| 17.5° | 710.3  | 715.0  | 681.5  | 672.8  | 695.3  | 712.9  | 753.5  | 782.7  | 809.5  | 937.5  | 1013.5 |
| 20°   | 725.0  | 737.8  | 697.9  | 652.6  | 700.3  | 724.8  | 753.0  | 766.3  | 787.2  | 946.1  | 1053.9 |
| 22.5° | 788.2  | 761.6  | 713.4  | 673.9  | 689.6  | 713.4  | 733.8  | 783.9  | 838.7  | 921.6  | 1094.3 |
| 25°   | 824.0  | 808.6  | 765.6  | 723.3  | 710.0  | 710.7  | 750.2  | 795.1  | 814.0  | 957.5  | 1102.3 |
| 27.5° | 910.7  | 886.0  | 789.4  | 781.3  | 731.2  | 692.2  | 752.8  | 822.6  | 855.8  | 929.5  | 1141.8 |
| 30°   | 1019.2 | 1000.5 | 873.7  | 863.0  | 786.5  | 718.6  | 786.0  | 843.0  | 838.3  | 947.7  | 1169.1 |
| 32.5° | 1107.1 | 1138.4 | 1010.4 | 926.1  | 871.8  | 806.7  | 775.6  | 839.5  | 886.7  | 990.3  | 1215.4 |
| 35°   | 1232.5 | 1261.9 | 1117.1 | 1060.1 | 942.0  | 847.5  | 848.5  | 888.4  | 917.6  | 1039.9 | 1267.1 |
| 37.5° | 1449.5 | 1423.6 | 1307.0 | 1217.0 | 1141.5 | 1000.5 | 958.2  | 944.2  | 967.7  | 1100.7 | 1368.5 |
| 40°   | 1606.0 | 1584.2 | 1446.9 | 1395.6 | 1248.6 | 1166.7 | 1050.8 | 1037.5 | 1079.1 | 1163.4 | 1451.4 |
| 42.5° | 1791.5 | 1752.5 | 1624.8 | 1582.5 | 1428.9 | 1281.2 | 1164.3 | 1171.9 | 1192.1 | 1281.6 | 1563.5 |
| 45°   | 1980.3 | 1885.8 | 1813.3 | 1810.0 | 1707.4 | 1503.4 | 1346.5 | 1340.3 | 1341.0 | 1455.7 | 1689.4 |
| 47.5° | 2130.1 | 2045.1 | 1962.2 | 1922.8 | 1871.0 | 1887.9 | 1611.0 | 1538.6 | 1516.7 | 1630.9 | 1878.2 |
| 50°   | 2231.5 | 2133.7 | 2039.9 | 2030.6 | 2168.8 | 2259.8 | 1859.4 | 1782.0 | 1795.5 | 1881.7 | 2129.9 |
| 52.5° | 2233.6 | 2117.5 | 2019.7 | 2084.5 | 2410.1 | 2540.2 | 2287.3 | 2071.0 | 2114.2 | 2172.9 | 2458.3 |
| 55°   | 2078.3 | 1957.9 | 1894.3 | 2042.0 | 2504.4 | 2872.9 | 2888.6 | 2534.0 | 2484.2 | 2505.8 | 2850.8 |
| 57.5° | 1750.9 | 1629.3 | 1592.2 | 1769.2 | 2325.5 | 3193.7 | 3614.8 | 3087.4 | 2941.1 | 2850.8 | 3253.1 |
| 60°   | 1318.0 | 1212.8 | 1189.7 | 1302.5 | 1928.0 | 3099.5 | 4202.8 | 3776.0 | 3478.0 | 3236.2 | 3656.6 |
| 62.5° | 988.4  | 912.8  | 878.2  | 894.3  | 1334.1 | 2792.9 | 4588.9 | 4646.1 | 4224.1 | 3657.0 | 4050.8 |
| 65°   | 803.1  | 742.1  | 711.2  | 690.3  | 829.7  | 2159.6 | 4519.1 | 5378.5 | 5095.6 | 4099.0 | 4357.6 |
| 67.5° | 670.9  | 616.7  | 602.5  | 622.9  | 655.9  | 1252.9 | 3972.9 | 5788.1 | 5807.3 | 4535.0 | 4536.9 |
| 70°   | 556.9  | 516.7  | 511.5  | 569.5  | 612.9  | 756.1  | 2869.6 | 5659.4 | 5871.7 | 4862.0 | 4494.8 |
| 72.5° | 430.3  | 408.7  | 408.0  | 498.9  | 608.9  | 644.5  | 1708.8 | 4889.0 | 5174.2 | 4757.5 | 4083.5 |
| 75°   | 298.5  | 283.5  | 294.9  | 410.1  | 594.9  | 653.8  | 975.3  | 3808.1 | 4021.6 | 4048.4 | 3271.2 |
| 77.5° | 205.4  | 192.8  | 205.2  | 296.6  | 531.2  | 669.4  | 682.3  | 2753.5 | 2777.2 | 2714.8 | 1873.6 |
| 80°   | 143.0  | 134.2  | 143.7  | 209.9  | 413.4  | 662.5  | 580.9  | 1733.5 | 1590.6 | 1211.6 | 599.9  |
| 82.5° | 88.6   | 86.0   | 96.4   | 149.6  | 291.1  | 602.7  | 550.5  | 894.6  | 683.0  | 334.4  | 214.2  |
| 85°   | 46.5   | 42.7   | 56.0   | 97.6   | 182.1  | 473.0  | 515.8  | 408.2  | 263.6  | 118.7  | 86.0   |
| 87.5° | 13.8   | 12.3   | 21.6   | 39.4   | 77.2   | 212.1  | 295.2  | 173.1  | 98.3   | 34.9   | 26.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P366890

CATALOG NUMBER: PMM-SA1C-730-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 435.0  | 435.0  | 435.0 | 435.0 | 435.0 | 435.0 | 435.0 | 435.0 | 435.0 | 435.0 | 435.0 |
| 2.5°  | 530.3  | 527.7  | 492.5 | 497.0 | 504.6 | 506.5 | 506.3 | 493.5 | 479.9 | 517.7 | 516.5 |
| 5°    | 675.4  | 651.9  | 634.3 | 630.5 | 608.9 | 587.3 | 594.9 | 592.3 | 588.9 | 606.0 | 608.2 |
| 7.5°  | 779.9  | 747.3  | 726.9 | 674.4 | 624.5 | 581.3 | 595.1 | 599.4 | 590.8 | 621.7 | 631.0 |
| 10°   | 807.4  | 781.8  | 759.7 | 692.2 | 664.7 | 639.5 | 602.2 | 559.7 | 554.0 | 536.2 | 538.3 |
| 12.5° | 878.4  | 874.8  | 799.6 | 740.2 | 704.3 | 654.2 | 573.7 | 522.2 | 478.0 | 480.2 | 467.3 |
| 15°   | 934.4  | 936.3  | 845.9 | 762.8 | 666.6 | 590.1 | 495.4 | 431.2 | 385.9 | 376.9 | 367.6 |
| 17.5° | 1009.7 | 1005.9 | 849.7 | 735.7 | 613.9 | 501.8 | 385.7 | 322.0 | 314.4 | 319.6 | 311.6 |
| 20°   | 1042.5 | 1009.0 | 825.4 | 668.5 | 531.5 | 381.1 | 291.4 | 257.7 | 272.4 | 293.3 | 293.8 |
| 22.5° | 1071.9 | 1014.7 | 812.9 | 614.3 | 421.7 | 277.1 | 233.9 | 227.7 | 245.1 | 273.3 | 275.7 |
| 25°   | 1070.8 | 1041.1 | 790.3 | 559.7 | 327.0 | 216.3 | 203.3 | 207.8 | 228.4 | 257.9 | 259.6 |
| 27.5° | 1124.7 | 1020.9 | 731.6 | 488.0 | 246.3 | 185.2 | 188.6 | 196.9 | 206.6 | 234.6 | 240.1 |
| 30°   | 1124.2 | 1058.4 | 702.2 | 400.8 | 197.8 | 169.8 | 178.3 | 185.5 | 193.5 | 219.2 | 222.3 |
| 32.5° | 1150.8 | 1033.9 | 684.4 | 311.8 | 177.4 | 166.0 | 168.1 | 175.3 | 186.9 | 204.2 | 206.4 |
| 35°   | 1182.8 | 1061.7 | 627.4 | 247.7 | 169.8 | 162.7 | 164.3 | 168.4 | 179.1 | 195.0 | 197.1 |
| 37.5° | 1285.7 | 1067.0 | 604.8 | 208.7 | 169.3 | 161.2 | 161.0 | 163.1 | 175.3 | 189.7 | 196.2 |
| 40°   | 1325.8 | 1114.7 | 539.1 | 195.0 | 167.7 | 161.2 | 157.9 | 159.1 | 169.1 | 187.6 | 192.6 |
| 42.5° | 1422.0 | 1130.6 | 490.4 | 190.2 | 167.7 | 158.4 | 153.2 | 155.1 | 166.7 | 183.1 | 190.9 |
| 45°   | 1521.0 | 1153.2 | 432.4 | 189.3 | 167.4 | 158.2 | 148.2 | 152.5 | 162.0 | 175.7 | 184.3 |
| 47.5° | 1662.1 | 1234.4 | 374.5 | 186.4 | 165.5 | 159.3 | 147.0 | 146.8 | 155.1 | 166.9 | 175.0 |
| 50°   | 1892.2 | 1361.2 | 329.6 | 182.9 | 165.8 | 158.4 | 144.6 | 141.3 | 146.8 | 157.2 | 165.0 |
| 52.5° | 2212.5 | 1577.3 | 312.0 | 181.0 | 163.9 | 154.6 | 140.6 | 135.4 | 138.4 | 146.8 | 154.4 |
| 55°   | 2584.4 | 1869.1 | 329.4 | 181.0 | 160.1 | 148.7 | 134.9 | 128.7 | 130.4 | 136.1 | 143.4 |
| 57.5° | 3019.0 | 2231.7 | 413.2 | 178.3 | 155.3 | 141.5 | 128.0 | 120.9 | 121.3 | 126.3 | 133.0 |
| 60°   | 3472.8 | 2636.9 | 601.0 | 176.2 | 152.0 | 133.7 | 119.9 | 112.6 | 111.8 | 116.6 | 122.5 |
| 62.5° | 3927.3 | 3010.6 | 798.6 | 181.2 | 151.0 | 127.0 | 111.4 | 104.0 | 103.8 | 108.0 | 113.0 |
| 65°   | 4288.7 | 3266.2 | 847.8 | 201.4 | 157.2 | 119.4 | 102.6 | 95.7  | 95.2  | 98.8  | 104.2 |
| 67.5° | 4466.1 | 3303.2 | 644.0 | 226.5 | 170.3 | 112.3 | 94.0  | 87.6  | 87.2  | 91.0  | 95.7  |
| 70°   | 4334.8 | 3050.1 | 397.5 | 229.2 | 169.6 | 104.0 | 85.3  | 79.8  | 78.8  | 82.9  | 86.4  |
| 72.5° | 3848.9 | 2668.0 | 302.1 | 202.8 | 146.8 | 92.1  | 76.5  | 71.7  | 70.3  | 73.9  | 77.2  |
| 75°   | 3089.3 | 2118.2 | 242.0 | 163.6 | 115.6 | 77.7  | 67.7  | 63.2  | 61.5  | 64.8  | 67.7  |
| 77.5° | 1799.6 | 1191.6 | 176.9 | 127.8 | 87.4  | 63.4  | 57.7  | 53.7  | 51.8  | 55.3  | 57.5  |
| 80°   | 585.1  | 397.1  | 111.1 | 91.7  | 63.9  | 49.6  | 46.8  | 43.9  | 42.0  | 44.4  | 45.1  |
| 82.5° | 210.2  | 147.7  | 61.5  | 56.3  | 42.5  | 35.6  | 35.4  | 33.7  | 31.3  | 32.3  | 32.3  |
| 85°   | 93.1   | 67.4   | 36.6  | 30.2  | 25.4  | 19.0  | 22.3  | 21.1  | 18.8  | 18.3  | 17.6  |
| 87.5° | 26.1   | 22.3   | 13.3  | 10.2  | 8.3   | 3.1   | 7.1   | 6.4   | 5.2   | 4.7   | 3.3   |
| 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)