

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: P368125

Luminaire Tested: **PMM-SA3D-750-U-SL4-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368125  
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-SA3D-750-U-SL4-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 16462 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

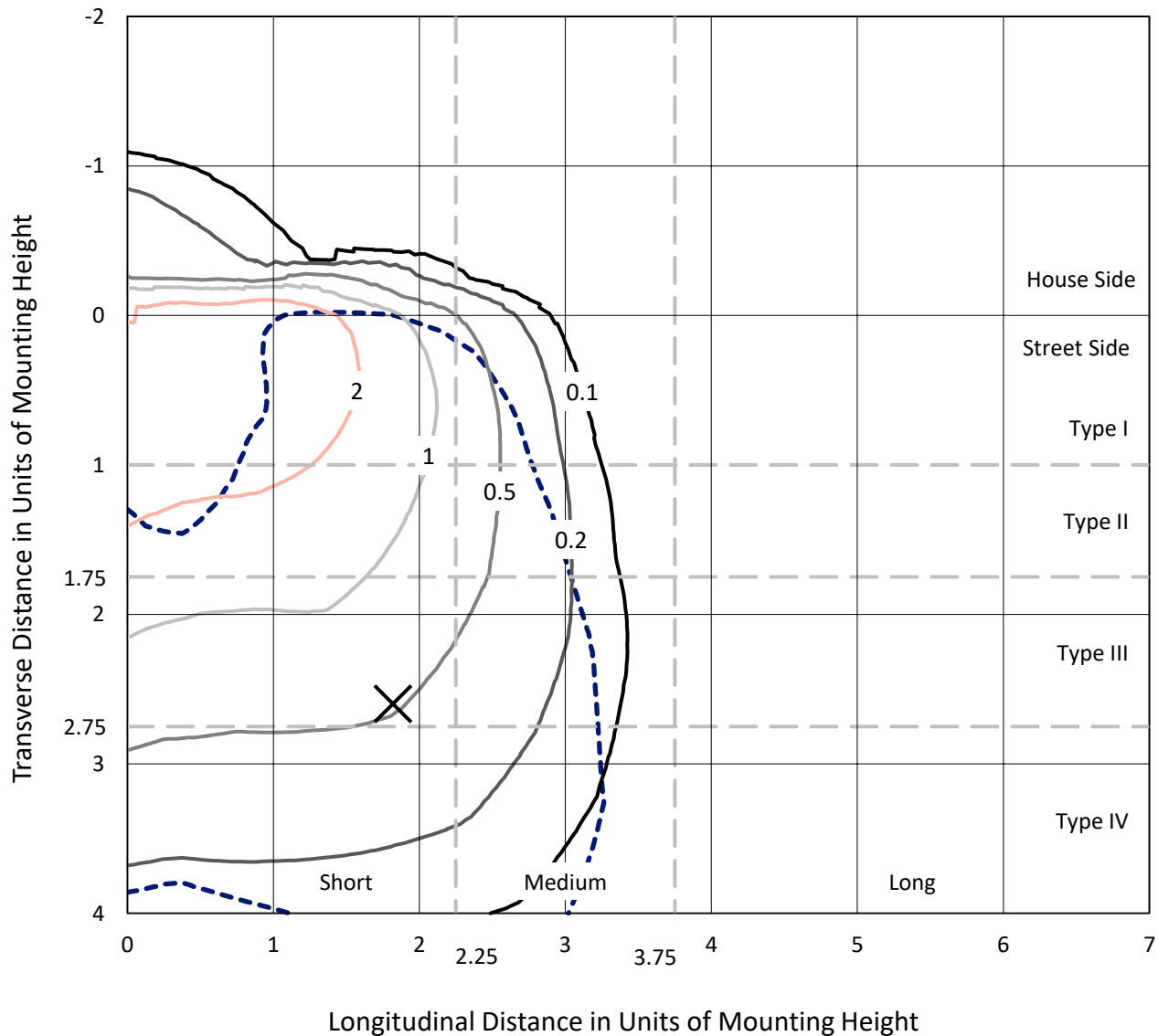
Input Watts (W): 192  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P368125  
 CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

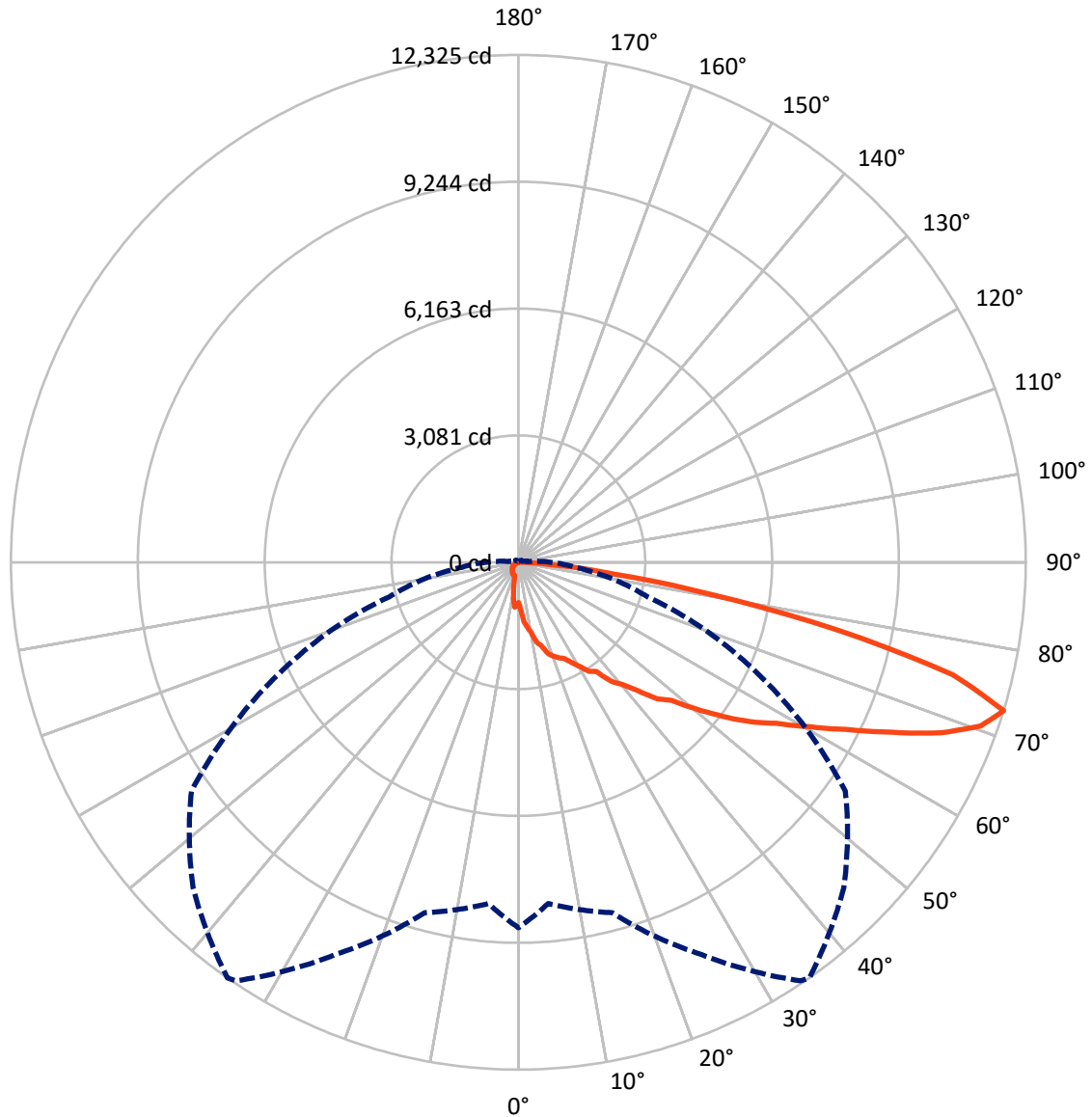
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P368125  
CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P368125

CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

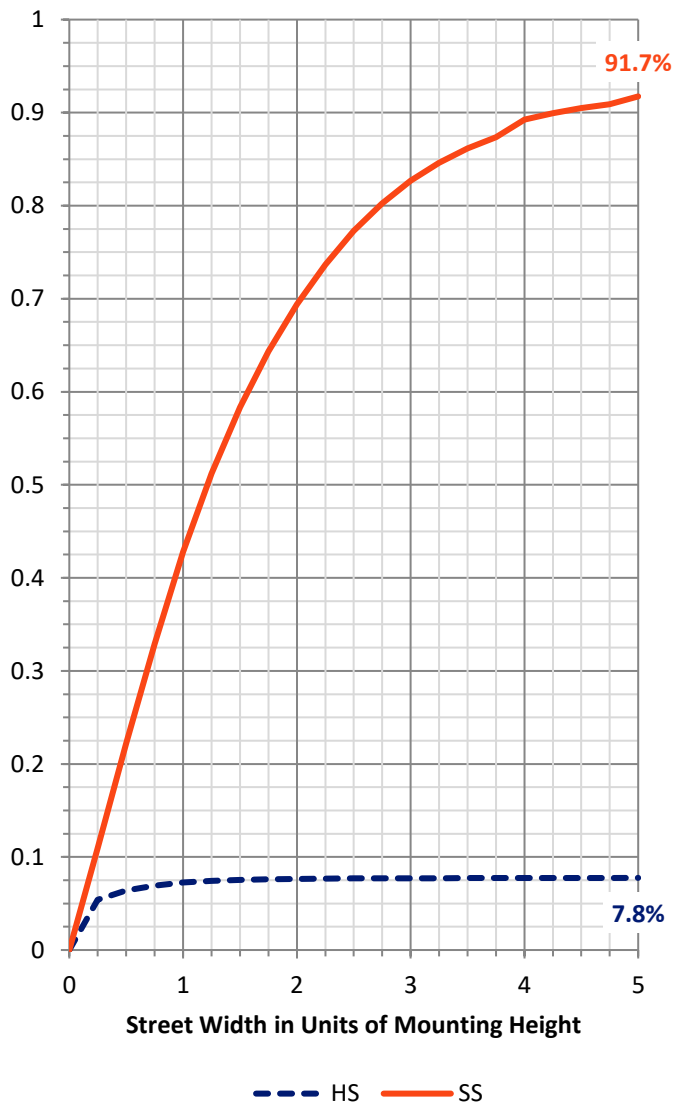
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1284.0   | 0.0    | 1284.0  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 15178.0  | 0.0    | 15178.0 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 16462.0  | 0.0    | 16462.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 125.1   | 0.8       |
| 10°-20°   | 421.3   | 2.6       |
| 20°-30°   | 767.2   | 4.7       |
| 30°-40°   | 1323.3  | 8.0       |
| 40°-50°   | 2352.4  | 14.3      |
| 50°-60°   | 3510.4  | 21.3      |
| 60°-70°   | 4484.9  | 27.2      |
| 70°-80°   | 3120.3  | 19.0      |
| 80°-90°   | 356.9   | 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°    | 16462.0 | 100.0     |
| 0°-180°   | 16462.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P368125

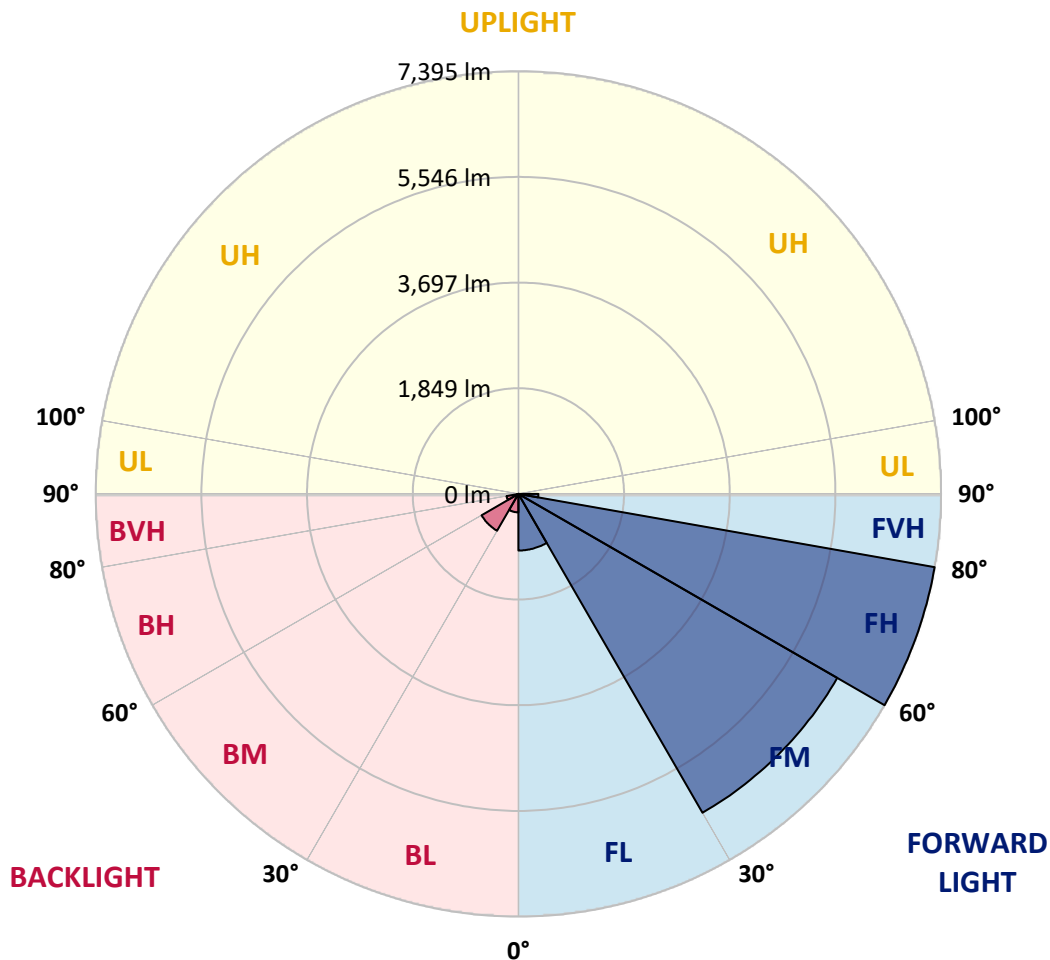
CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 990.6  | 6.0       |                         |      |         |
| FM (30°-60°)   | 6441.6 | 39.1      |                         |      |         |
| FH (60°-80°)   | 7394.8 | 44.9      |                         |      | G3/7500 |
| FVH (80°-90°)  | 350.9  | 2.1       |                         |      | G3/500  |
| BL (0°-30°)    | 322.9  | 2.0       | B1/500                  |      |         |
| BM (30°-60°)   | 744.6  | 4.5       | B1/1000                 |      |         |
| BH (60°-80°)   | 210.5  | 1.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 6.0    | 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-G3**

Type IV Short





REPORT NUMBER: P368125

CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 34°     | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 980.6  | 980.6  | 980.6  | 980.6   | 980.6   | 980.6   | 980.6   | 980.6   | 980.6  | 980.6  | 980.6  |
| 2.5°  | 1247.9 | 1199.1 | 1119.7 | 1125.5  | 1161.0  | 1168.5  | 1179.2  | 1151.1  | 1126.3 | 1082.4 | 1167.7 |
| 5°    | 1598.8 | 1528.5 | 1483.8 | 1469.7  | 1449.0  | 1450.7  | 1400.2  | 1418.4  | 1413.4 | 1445.7 | 1484.6 |
| 7.5°  | 1796.6 | 1757.7 | 1701.4 | 1685.7  | 1609.6  | 1601.3  | 1539.2  | 1622.8  | 1631.1 | 1619.5 | 1683.2 |
| 10°   | 1875.2 | 1823.9 | 1830.5 | 1771.8  | 1733.7  | 1743.6  | 1753.6  | 1760.2  | 1770.9 | 1781.7 | 1703.9 |
| 12.5° | 1921.6 | 1930.7 | 2020.9 | 1959.6  | 1997.7  | 1997.7  | 2064.7  | 1993.6  | 1996.0 | 1918.2 | 1931.5 |
| 15°   | 2130.1 | 2180.6 | 2140.0 | 2139.2  | 2097.8  | 2108.6  | 2186.4  | 2130.1  | 2159.1 | 2135.9 | 2046.5 |
| 17.5° | 2391.6 | 2401.5 | 2324.6 | 2290.6  | 2327.9  | 2328.7  | 2295.6  | 2293.1  | 2192.2 | 2362.6 | 2254.2 |
| 20°   | 2475.2 | 2531.5 | 2422.2 | 2289.8  | 2444.6  | 2437.1  | 2434.6  | 2395.7  | 2227.7 | 2464.4 | 2375.0 |
| 22.5° | 2702.8 | 2622.5 | 2548.0 | 2461.1  | 2521.5  | 2521.5  | 2512.4  | 2427.2  | 2361.8 | 2455.3 | 2493.4 |
| 25°   | 2773.9 | 2783.9 | 2687.0 | 2658.9  | 2660.6  | 2586.1  | 2579.5  | 2543.0  | 2480.1 | 2639.9 | 2563.7 |
| 27.5° | 3018.9 | 3014.7 | 2782.2 | 2860.8  | 2760.7  | 2761.5  | 2578.6  | 2660.6  | 2671.3 | 2649.0 | 2734.2 |
| 30°   | 3259.7 | 3326.7 | 2975.8 | 3075.2  | 2970.1  | 2938.6  | 2759.9  | 2832.7  | 2851.7 | 2826.1 | 2933.6 |
| 32.5° | 3566.7 | 3665.2 | 3324.2 | 3226.6  | 3066.0  | 3155.4  | 3032.1  | 2860.0  | 2954.3 | 3183.6 | 3244.0 |
| 35°   | 3891.9 | 3939.9 | 3576.6 | 3440.1  | 3258.9  | 3258.0  | 3253.9  | 3268.0  | 3372.2 | 3630.4 | 3681.7 |
| 37.5° | 4476.2 | 4362.8 | 4034.3 | 3721.5  | 3762.0  | 3671.8  | 3608.9  | 3675.1  | 3783.5 | 4208.9 | 4428.2 |
| 40°   | 4802.2 | 4720.3 | 4257.7 | 4072.3  | 3871.2  | 3904.4  | 4074.8  | 4067.4  | 4356.2 | 4801.4 | 5129.9 |
| 42.5° | 5119.2 | 5041.4 | 4586.2 | 4436.5  | 4178.3  | 4268.5  | 4342.9  | 4437.3  | 5029.0 | 5747.3 | 5927.7 |
| 45°   | 5401.4 | 5173.0 | 4851.9 | 4857.7  | 4723.6  | 4734.4  | 4866.0  | 4952.8  | 5808.5 | 6545.0 | 6671.7 |
| 47.5° | 5571.9 | 5384.0 | 5076.2 | 5070.4  | 5062.1  | 5011.6  | 5631.4  | 5710.9  | 6430.0 | 7304.7 | 7316.3 |
| 50°   | 5811.8 | 5576.8 | 5307.0 | 5312.0  | 5503.2  | 5609.9  | 6349.7  | 6341.5  | 7030.0 | 7938.6 | 7671.3 |
| 52.5° | 6110.6 | 5823.4 | 5526.3 | 5747.3  | 6042.7  | 6216.5  | 6817.3  | 7062.3  | 7674.6 | 8336.7 | 7810.4 |
| 55°   | 6492.9 | 6133.8 | 5847.4 | 6130.4  | 6775.1  | 6842.1  | 7274.9  | 7792.1  | 8377.2 | 8743.0 | 7855.0 |
| 57.5° | 6941.4 | 6512.8 | 6281.1 | 6737.0  | 7380.0  | 7381.7  | 7941.1  | 8570.0  | 8808.4 | 8908.5 | 7804.6 |
| 60°   | 7424.7 | 6924.9 | 6691.5 | 7102.0  | 8047.0  | 8114.9  | 8681.8  | 8999.5  | 9246.1 | 8992.1 | 7714.4 |
| 62.5° | 7850.1 | 7298.1 | 7116.9 | 7599.3  | 8778.6  | 8939.1  | 9327.2  | 9281.7  | 9562.3 | 9097.2 | 7485.1 |
| 65°   | 8356.5 | 7781.4 | 7662.2 | 8374.7  | 9733.6  | 9954.5  | 10052.2 | 9782.4  | 9668.2 | 9016.1 | 6888.5 |
| 67.5° | 8858.0 | 8320.1 | 8316.8 | 9234.6  | 10985.6 | 11061.8 | 10959.2 | 10488.3 | 9544.9 | 8301.1 | 5795.3 |
| 70°   | 9211.4 | 8633.8 | 8851.4 | 10176.3 | 12123.5 | 11910.0 | 11478.0 | 10821.8 | 8654.5 | 6362.2 | 3786.0 |
| 72.5° | 8879.5 | 8322.6 | 8813.3 | 10511.5 | 12264.2 | 12325.4 | 11177.6 | 9693.8  | 6430.0 | 3253.9 | 1370.4 |
| 75°   | 6747.8 | 6406.8 | 7652.3 | 9325.6  | 10888.8 | 10902.9 | 9329.7  | 6837.2  | 3166.2 | 883.8  | 379.0  |
| 77.5° | 3398.7 | 3290.3 | 4843.6 | 6620.3  | 7944.4  | 7921.2  | 6410.2  | 3662.7  | 1018.7 | 293.8  | 191.2  |
| 80°   | 1720.5 | 1633.6 | 2061.4 | 3571.7  | 4717.8  | 4752.6  | 3660.2  | 1640.2  | 513.9  | 159.7  | 132.4  |
| 82.5° | 1056.8 | 1003.0 | 1127.9 | 1616.2  | 2289.8  | 2345.3  | 1388.6  | 1038.6  | 318.6  | 94.3   | 120.8  |
| 85°   | 204.4  | 215.2  | 648.0  | 809.3   | 914.4   | 892.9   | 411.3   | 854.9   | 96.0   | 56.3   | 87.7   |
| 87.5° | 0.0    | 3.3    | 149.8  | 264.0   | 264.8   | 235.0   | 93.5    | 189.5   | 13.2   | 15.7   | 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    |



REPORT NUMBER: P368125

CATALOG NUMBER: PMM-SA3D-750-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  | 980.6  |
| 2.5°  | 1181.7 | 1169.3 | 1065.9 | 1054.3 | 1056.8 | 1039.4 | 1033.6 | 997.2  | 988.1  | 1044.4 | 1054.3 |
| 5°    | 1468.1 | 1385.3 | 1289.3 | 1254.6 | 1200.8 | 1109.7 | 1096.5 | 1073.3 | 1047.7 | 1057.6 | 1050.2 |
| 7.5°  | 1643.5 | 1533.4 | 1430.8 | 1247.9 | 1096.5 | 964.1  | 942.6  | 902.9  | 863.1  | 864.0  | 889.6  |
| 10°   | 1671.6 | 1579.0 | 1437.4 | 1214.8 | 1041.9 | 876.4  | 732.4  | 628.1  | 580.9  | 538.7  | 551.1  |
| 12.5° | 1834.7 | 1748.6 | 1487.9 | 1204.9 | 962.4  | 704.2  | 515.6  | 413.8  | 369.1  | 354.2  | 352.5  |
| 15°   | 1965.4 | 1897.6 | 1574.0 | 1174.3 | 786.2  | 495.7  | 369.1  | 339.3  | 331.0  | 345.1  | 340.9  |
| 17.5° | 2159.9 | 2037.4 | 1564.9 | 1047.7 | 599.1  | 376.5  | 340.1  | 336.0  | 345.9  | 354.2  | 356.7  |
| 20°   | 2245.1 | 2068.9 | 1502.8 | 849.1  | 448.5  | 345.1  | 331.8  | 323.6  | 341.8  | 366.6  | 361.6  |
| 22.5° | 2331.2 | 2122.6 | 1430.0 | 695.1  | 360.8  | 330.2  | 322.7  | 316.1  | 330.2  | 354.2  | 360.0  |
| 25°   | 2370.1 | 2208.7 | 1348.9 | 542.9  | 335.2  | 312.8  | 307.8  | 310.3  | 321.9  | 343.4  | 340.9  |
| 27.5° | 2566.2 | 2218.6 | 1194.1 | 428.7  | 324.4  | 300.4  | 300.4  | 306.2  | 306.2  | 335.2  | 332.7  |
| 30°   | 2688.7 | 2386.6 | 1068.4 | 360.8  | 312.0  | 283.0  | 293.0  | 295.4  | 291.3  | 322.7  | 325.2  |
| 32.5° | 2903.9 | 2433.0 | 945.9  | 331.0  | 292.1  | 280.5  | 278.9  | 280.5  | 283.8  | 314.5  | 315.3  |
| 35°   | 3234.9 | 2661.4 | 778.7  | 319.4  | 282.2  | 268.1  | 256.5  | 265.6  | 273.9  | 296.3  | 300.4  |
| 37.5° | 3882.0 | 2895.6 | 634.7  | 310.3  | 277.2  | 256.5  | 252.4  | 250.7  | 265.6  | 291.3  | 299.6  |
| 40°   | 4405.8 | 3310.2 | 516.4  | 302.9  | 267.3  | 249.9  | 239.2  | 240.0  | 253.2  | 272.3  | 284.7  |
| 42.5° | 5147.3 | 3609.7 | 437.8  | 291.3  | 253.2  | 235.8  | 223.4  | 230.9  | 236.7  | 256.5  | 264.8  |
| 45°   | 5766.3 | 3842.3 | 385.6  | 283.8  | 239.2  | 222.6  | 212.7  | 221.0  | 215.2  | 225.1  | 236.7  |
| 47.5° | 6258.7 | 4045.0 | 346.7  | 265.6  | 230.1  | 215.2  | 202.7  | 200.3  | 190.3  | 192.8  | 203.6  |
| 50°   | 6529.3 | 4011.1 | 314.5  | 247.4  | 218.5  | 207.7  | 190.3  | 173.0  | 159.7  | 158.9  | 165.5  |
| 52.5° | 6625.3 | 3829.9 | 288.0  | 231.7  | 204.4  | 191.2  | 171.3  | 147.3  | 134.1  | 129.9  | 135.7  |
| 55°   | 6651.8 | 3569.2 | 264.0  | 214.3  | 191.2  | 170.5  | 149.8  | 124.1  | 110.1  | 103.4  | 109.2  |
| 57.5° | 6565.7 | 3167.8 | 240.8  | 197.8  | 175.4  | 150.6  | 128.3  | 101.8  | 88.5   | 80.3   | 85.2   |
| 60°   | 6353.1 | 2658.1 | 220.1  | 177.1  | 158.9  | 133.2  | 108.4  | 81.9   | 67.9   | 60.4   | 62.9   |
| 62.5° | 5882.2 | 2083.8 | 197.8  | 158.1  | 141.5  | 116.7  | 91.0   | 64.5   | 51.3   | 44.7   | 45.5   |
| 65°   | 5165.5 | 1553.3 | 172.1  | 139.9  | 125.8  | 101.0  | 72.8   | 49.7   | 38.9   | 33.1   | 32.3   |
| 67.5° | 4115.4 | 1052.6 | 146.5  | 120.8  | 111.7  | 85.2   | 57.9   | 38.9   | 30.6   | 26.5   | 24.8   |
| 70°   | 2418.9 | 530.5  | 121.6  | 104.3  | 96.0   | 71.2   | 45.5   | 31.4   | 28.1   | 24.8   | 23.2   |
| 72.5° | 797.8  | 229.2  | 95.2   | 86.1   | 79.4   | 57.1   | 35.6   | 29.0   | 27.3   | 24.0   | 22.3   |
| 75°   | 278.1  | 132.4  | 70.3   | 66.2   | 62.9   | 43.0   | 29.8   | 26.5   | 26.5   | 23.2   | 20.7   |
| 77.5° | 182.1  | 102.6  | 52.1   | 48.0   | 47.2   | 31.4   | 25.7   | 24.8   | 23.2   | 19.0   | 15.7   |
| 80°   | 151.4  | 57.9   | 36.4   | 33.9   | 33.1   | 19.9   | 20.7   | 18.2   | 14.1   | 8.3    | 3.3    |
| 82.5° | 139.9  | 34.8   | 19.0   | 20.7   | 19.0   | 7.4    | 11.6   | 9.9    | 7.4    | 3.3    | 0.0    |
| 85°   | 81.9   | 15.7   | 10.8   | 10.8   | 8.3    | 1.7    | 5.8    | 5.8    | 3.3    | 0.8    | 0.0    |
| 87.5° | 9.1    | 7.4    | 5.8    | 5.8    | 4.1    | 0.0    | 2.5    | 1.7    | 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)