

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: P368517

Luminaire Tested: **PMM-SA4C-750-U-SL2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-17)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4C-750-U-SL2-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19721 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

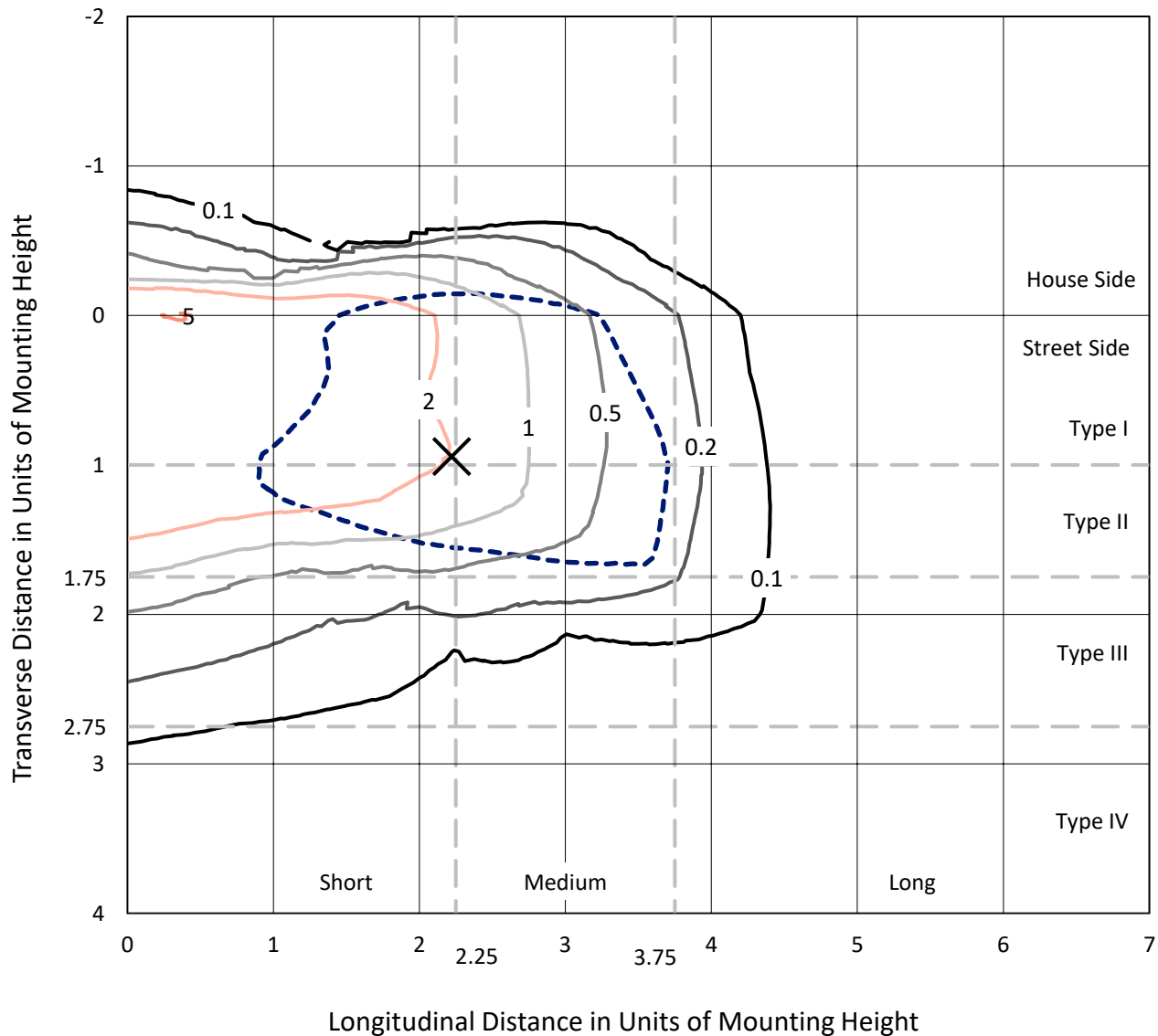
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368517
 CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

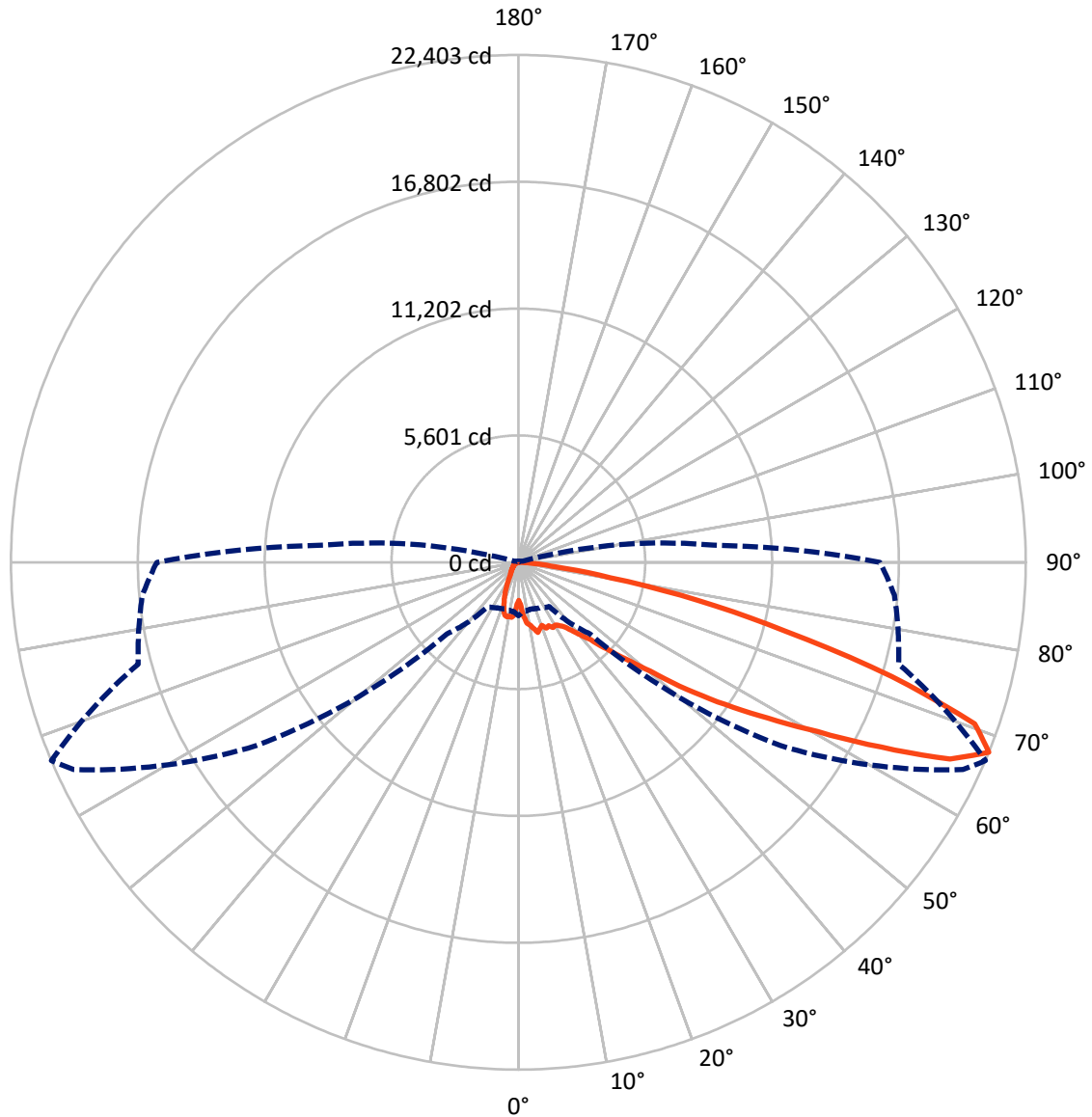
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

REPORT NUMBER: P368517
CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P368517

CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

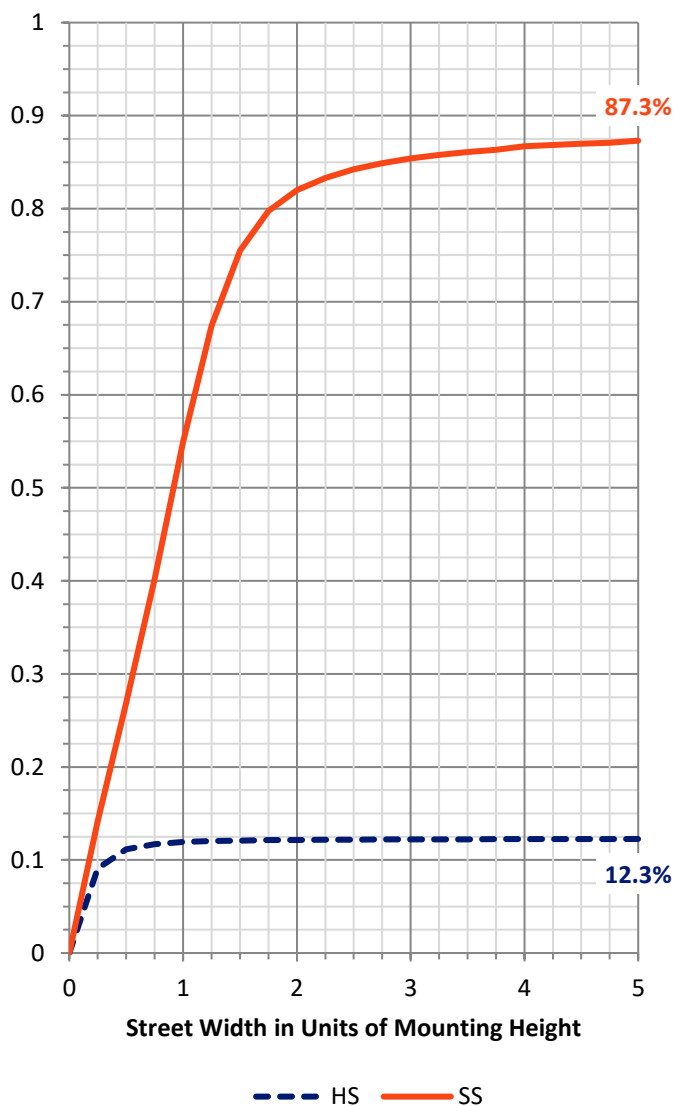
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2438.9 | 0.0 | 2438.9 |
| | % Fixture | 12.4 | 0.0 | 12.4 |
| Street Side | Lumens | 17282.1 | 0.0 | 17282.1 |
| | % Fixture | 87.6 | 0.0 | 87.6 |
| Total | Lumens | 19721.0 | 0.0 | 19721.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 210.8 | 1.1 |
| 10°-20° | 623.8 | 3.2 |
| 20°-30° | 977.7 | 5.0 |
| 30°-40° | 1576.4 | 8.0 |
| 40°-50° | 2896.7 | 14.7 |
| 50°-60° | 4892.2 | 24.8 |
| 60°-70° | 5408.5 | 27.4 |
| 70°-80° | 2830.8 | 14.4 |
| 80°-90° | 304.0 | 1.5 |
| 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° | 19721.0 | 100.0 |
| 0°-180° | 19721.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P368517

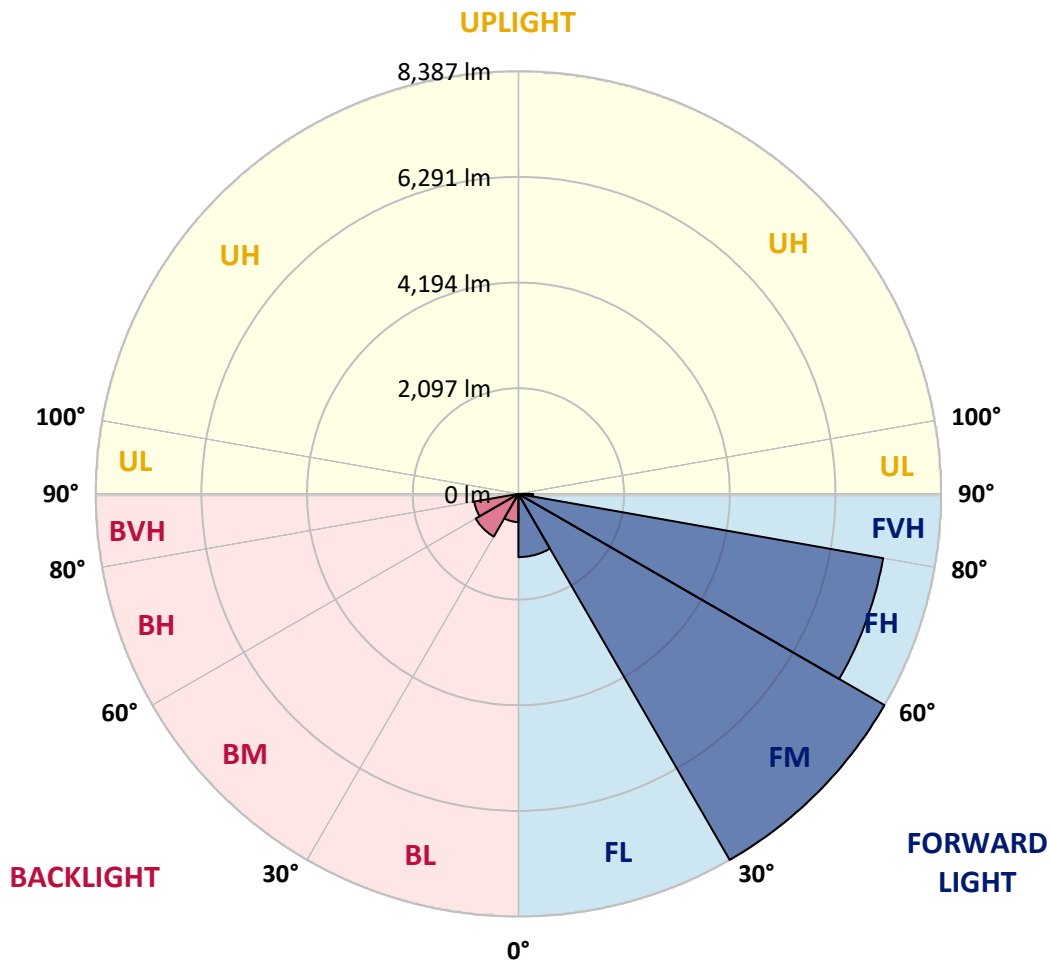
CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1253.9 | 6.4 | | | |
| FM (30°-60°) | 8387.4 | 42.5 | | | |
| FH (60°-80°) | 7349.7 | 37.3 | | | G3/7500 |
| FVH (80°-90°) | 291.0 | 1.5 | | | G3/500 |
| BL (0°-30°) | 558.4 | 2.8 | B2/1000 | | |
| BM (30°-60°) | 977.9 | 5.0 | B1/1000 | | |
| BH (60°-80°) | 889.6 | 4.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 13.0 | 0.1 | | | 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 II Short





REPORT NUMBER: P368517

CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 |
| 2.5° | 1982.8 | 1915.8 | 1801.7 | 1834.7 | 1900.8 | 1955.8 | 1929.8 | 1878.8 | 1879.8 | 1827.7 | 2014.8 |
| 5° | 2306.9 | 2216.9 | 2150.9 | 2173.9 | 2170.9 | 2168.9 | 2291.9 | 2338.9 | 2358.9 | 2445.0 | 2572.0 |
| 7.5° | 2400.0 | 2368.0 | 2298.9 | 2319.9 | 2250.9 | 2255.9 | 2472.0 | 2676.1 | 2708.1 | 2761.1 | 2987.2 |
| 10° | 2364.0 | 2301.9 | 2326.9 | 2326.9 | 2327.9 | 2440.0 | 2585.0 | 2780.1 | 2819.1 | 3023.2 | 3047.2 |
| 12.5° | 2324.9 | 2327.9 | 2427.0 | 2409.0 | 2545.0 | 2746.1 | 2795.1 | 3014.2 | 2995.2 | 3172.3 | 3435.4 |
| 15° | 2470.0 | 2546.0 | 2482.0 | 2507.0 | 2520.0 | 2756.1 | 2835.1 | 3126.3 | 3210.3 | 3434.4 | 3605.5 |
| 17.5° | 2719.1 | 2729.1 | 2596.0 | 2560.0 | 2654.1 | 2721.1 | 2880.2 | 3020.2 | 3076.2 | 3664.5 | 3906.6 |
| 20° | 2764.1 | 2828.1 | 2693.1 | 2485.0 | 2684.1 | 2776.1 | 2887.2 | 2954.2 | 2978.2 | 3735.5 | 4076.6 |
| 22.5° | 3035.2 | 2964.2 | 2748.1 | 2590.0 | 2647.1 | 2747.1 | 2816.1 | 3018.2 | 3162.3 | 3601.4 | 4239.7 |
| 25° | 3174.3 | 3155.3 | 2949.2 | 2814.1 | 2756.1 | 2748.1 | 2906.2 | 3059.2 | 3105.2 | 3740.5 | 4279.7 |
| 27.5° | 3507.4 | 3464.4 | 3065.2 | 3048.2 | 2857.1 | 2689.1 | 2909.2 | 3184.3 | 3270.3 | 3609.5 | 4429.8 |
| 30° | 3960.6 | 3944.6 | 3413.4 | 3402.4 | 3098.2 | 2796.1 | 3071.2 | 3261.3 | 3209.3 | 3676.5 | 4529.8 |
| 32.5° | 4416.8 | 4546.8 | 4003.6 | 3693.5 | 3465.4 | 3189.3 | 3025.2 | 3237.3 | 3330.3 | 3839.5 | 4713.9 |
| 35° | 4968.0 | 5062.0 | 4508.8 | 4283.7 | 3776.5 | 3373.4 | 3330.3 | 3466.4 | 3506.4 | 4033.6 | 4923.0 |
| 37.5° | 5932.4 | 5790.3 | 5319.1 | 4936.0 | 4669.9 | 4030.6 | 3818.5 | 3710.5 | 3803.5 | 4296.7 | 5350.2 |
| 40° | 6644.7 | 6554.6 | 5974.4 | 5745.3 | 5133.1 | 4758.9 | 4204.7 | 4103.7 | 4207.7 | 4566.8 | 5647.3 |
| 42.5° | 7504.0 | 7316.9 | 6770.7 | 6615.7 | 5985.4 | 5264.1 | 4701.9 | 4736.9 | 4671.9 | 5100.1 | 6168.5 |
| 45° | 8281.3 | 7859.2 | 7555.0 | 7590.1 | 7253.9 | 6279.5 | 5531.2 | 5514.2 | 5460.2 | 5872.4 | 6716.7 |
| 47.5° | 8804.5 | 8435.4 | 8139.3 | 8042.2 | 8002.2 | 8065.2 | 6729.7 | 6427.6 | 6387.6 | 6683.7 | 7580.1 |
| 50° | 9085.7 | 8681.5 | 8315.3 | 8335.4 | 9147.7 | 9758.9 | 7966.2 | 7537.0 | 7552.0 | 7861.2 | 8760.5 |
| 52.5° | 8896.6 | 8439.4 | 8053.2 | 8428.4 | 10036.0 | 10888.4 | 10013.0 | 8986.6 | 9334.8 | 9255.7 | 10344.2 |
| 55° | 8023.2 | 7626.1 | 7352.0 | 8023.2 | 10133.1 | 12103.9 | 12533.0 | 11168.5 | 11090.5 | 10910.4 | 11958.8 |
| 57.5° | 6553.6 | 6211.5 | 6042.4 | 6750.7 | 9071.7 | 13083.3 | 15064.1 | 13634.5 | 12969.2 | 12214.9 | 13299.4 |
| 60° | 4883.0 | 4630.9 | 4454.8 | 4828.9 | 7147.9 | 12131.9 | 16721.7 | 15958.4 | 15188.1 | 13472.4 | 14503.8 |
| 62.5° | 3616.5 | 3411.4 | 3224.3 | 3258.3 | 4922.0 | 10434.2 | 17358.0 | 18420.4 | 17978.2 | 14800.0 | 15640.3 |
| 65° | 2886.2 | 2699.1 | 2568.0 | 2493.0 | 3048.2 | 7850.2 | 16472.6 | 20438.2 | 20948.4 | 16050.5 | 16460.6 |
| 67.5° | 2356.9 | 2198.9 | 2133.9 | 2219.9 | 2391.0 | 4474.8 | 14107.7 | 21662.7 | 22403.0 | 17377.0 | 16662.7 |
| 70° | 1917.8 | 1787.7 | 1780.7 | 2012.8 | 2201.9 | 2728.1 | 10377.2 | 20817.4 | 21374.6 | 17603.1 | 15451.2 |
| 72.5° | 1336.5 | 1279.5 | 1370.6 | 1699.7 | 2181.9 | 2271.9 | 5959.4 | 17226.9 | 17246.9 | 15547.3 | 12709.1 |
| 75° | 756.3 | 747.3 | 891.4 | 1355.5 | 2124.9 | 2248.9 | 3322.3 | 12173.9 | 12182.9 | 11758.7 | 8804.5 |
| 77.5° | 416.2 | 389.2 | 519.2 | 916.4 | 1824.7 | 2196.9 | 2142.9 | 8312.3 | 8099.3 | 6543.6 | 4021.6 |
| 80° | 192.1 | 181.1 | 281.1 | 587.2 | 1334.5 | 2077.8 | 1717.7 | 4568.8 | 4119.7 | 2131.9 | 981.4 |
| 82.5° | 79.0 | 75.0 | 129.1 | 377.2 | 843.3 | 1673.7 | 1447.6 | 2026.8 | 1626.7 | 405.2 | 303.1 |
| 85° | 14.0 | 15.0 | 53.0 | 228.1 | 472.2 | 771.3 | 1173.5 | 962.4 | 707.3 | 112.0 | 166.1 |
| 87.5° | 0.0 | 0.0 | 11.0 | 55.0 | 114.0 | 211.1 | 476.2 | 269.1 | 185.1 | 33.0 | 49.0 |
| 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: P368517
 CATALOG NUMBER: PMM-SA4C-750-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 | 1679.7 |
| 2.5° | 2051.8 | 2034.8 | 1862.7 | 1870.8 | 1882.8 | 1871.8 | 1869.8 | 1821.7 | 1777.7 | 1922.8 | 1920.8 |
| 5° | 2595.0 | 2474.0 | 2354.9 | 2308.9 | 2209.9 | 2079.8 | 2080.8 | 2039.8 | 1997.8 | 2056.8 | 2056.8 |
| 7.5° | 2982.2 | 2815.1 | 2664.1 | 2395.0 | 2132.9 | 1895.8 | 1874.8 | 1818.7 | 1754.7 | 1831.7 | 1846.7 |
| 10° | 3072.2 | 2927.2 | 2732.1 | 2336.9 | 2088.8 | 1857.7 | 1603.6 | 1394.6 | 1297.5 | 1252.5 | 1244.5 |
| 12.5° | 3349.3 | 3241.3 | 2805.1 | 2368.0 | 2010.8 | 1619.7 | 1203.5 | 955.4 | 786.3 | 773.3 | 755.3 |
| 15° | 3534.4 | 3458.4 | 2877.2 | 2290.9 | 1680.7 | 1164.5 | 756.3 | 580.2 | 512.2 | 506.2 | 497.2 |
| 17.5° | 3821.5 | 3689.5 | 2808.1 | 2045.8 | 1314.5 | 768.3 | 508.2 | 458.2 | 466.2 | 484.2 | 470.2 |
| 20° | 3938.6 | 3680.5 | 2658.1 | 1690.7 | 923.4 | 515.2 | 441.2 | 414.2 | 435.2 | 452.2 | 444.2 |
| 22.5° | 4058.6 | 3706.5 | 2525.0 | 1393.6 | 603.2 | 426.2 | 393.2 | 379.2 | 381.2 | 398.2 | 399.2 |
| 25° | 4057.6 | 3778.5 | 2371.0 | 1085.4 | 449.2 | 379.2 | 355.1 | 337.1 | 330.1 | 342.1 | 339.1 |
| 27.5° | 4254.7 | 3695.5 | 2089.8 | 805.3 | 395.2 | 339.1 | 316.1 | 294.1 | 269.1 | 281.1 | 281.1 |
| 30° | 4255.7 | 3830.5 | 1893.8 | 578.2 | 362.1 | 302.1 | 282.1 | 248.1 | 219.1 | 229.1 | 230.1 |
| 32.5° | 4368.8 | 3713.5 | 1712.7 | 442.2 | 336.1 | 280.1 | 236.1 | 205.1 | 188.1 | 194.1 | 194.1 |
| 35° | 4497.8 | 3813.5 | 1434.6 | 390.2 | 310.1 | 249.1 | 202.1 | 177.1 | 164.1 | 169.1 | 169.1 |
| 37.5° | 4924.0 | 3792.5 | 1241.5 | 363.1 | 293.1 | 225.1 | 184.1 | 156.1 | 150.1 | 153.1 | 157.1 |
| 40° | 5078.0 | 3941.6 | 979.4 | 347.1 | 265.1 | 203.1 | 162.1 | 141.1 | 133.1 | 135.1 | 136.1 |
| 42.5° | 5470.2 | 3974.6 | 782.3 | 334.1 | 240.1 | 176.1 | 144.1 | 129.1 | 119.0 | 119.0 | 122.0 |
| 45° | 5903.4 | 4057.6 | 622.3 | 323.1 | 219.1 | 158.1 | 130.1 | 118.0 | 103.0 | 101.0 | 105.0 |
| 47.5° | 6530.6 | 4375.8 | 507.2 | 301.1 | 194.1 | 147.1 | 120.0 | 102.0 | 90.0 | 86.0 | 90.0 |
| 50° | 7580.1 | 4916.0 | 448.2 | 274.1 | 176.1 | 138.1 | 106.0 | 87.0 | 78.0 | 73.0 | 76.0 |
| 52.5° | 9060.6 | 5849.4 | 417.2 | 249.1 | 160.1 | 124.0 | 95.0 | 76.0 | 67.0 | 63.0 | 65.0 |
| 55° | 10705.3 | 6919.8 | 402.2 | 224.1 | 146.1 | 109.0 | 83.0 | 67.0 | 59.0 | 54.0 | 55.0 |
| 57.5° | 12225.9 | 7926.2 | 387.2 | 200.1 | 132.1 | 97.0 | 73.0 | 59.0 | 51.0 | 46.0 | 47.0 |
| 60° | 13724.5 | 8729.5 | 351.1 | 172.1 | 119.0 | 87.0 | 64.0 | 51.0 | 46.0 | 40.0 | 40.0 |
| 62.5° | 15050.1 | 9209.7 | 299.1 | 149.1 | 107.0 | 77.0 | 57.0 | 46.0 | 42.0 | 36.0 | 36.0 |
| 65° | 15952.4 | 9231.7 | 241.1 | 128.1 | 94.0 | 66.0 | 50.0 | 43.0 | 39.0 | 32.0 | 31.0 |
| 67.5° | 15965.4 | 8631.5 | 193.1 | 114.0 | 83.0 | 58.0 | 45.0 | 41.0 | 36.0 | 30.0 | 28.0 |
| 70° | 14289.8 | 7130.9 | 161.1 | 100.0 | 72.0 | 51.0 | 39.0 | 39.0 | 35.0 | 29.0 | 26.0 |
| 72.5° | 11430.6 | 5449.2 | 135.1 | 87.0 | 64.0 | 44.0 | 36.0 | 37.0 | 34.0 | 29.0 | 26.0 |
| 75° | 7683.1 | 3125.3 | 112.0 | 74.0 | 56.0 | 37.0 | 35.0 | 36.0 | 35.0 | 29.0 | 25.0 |
| 77.5° | 3538.4 | 995.4 | 87.0 | 61.0 | 48.0 | 31.0 | 34.0 | 34.0 | 32.0 | 26.0 | 22.0 |
| 80° | 797.3 | 245.1 | 63.0 | 45.0 | 39.0 | 23.0 | 31.0 | 28.0 | 25.0 | 18.0 | 13.0 |
| 82.5° | 290.1 | 75.0 | 38.0 | 28.0 | 24.0 | 9.0 | 20.0 | 20.0 | 18.0 | 13.0 | 8.0 |
| 85° | 166.1 | 39.0 | 21.0 | 18.0 | 13.0 | 4.0 | 11.0 | 12.0 | 10.0 | 9.0 | 4.0 |
| 87.5° | 54.0 | 9.0 | 10.0 | 11.0 | 10.0 | 2.0 | 4.0 | 4.0 | 3.0 | 2.0 | 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)