

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: P367600

Luminaire Tested: **PMM-SA2D-750-U-SLL**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2D-750-U-SLL
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11554 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

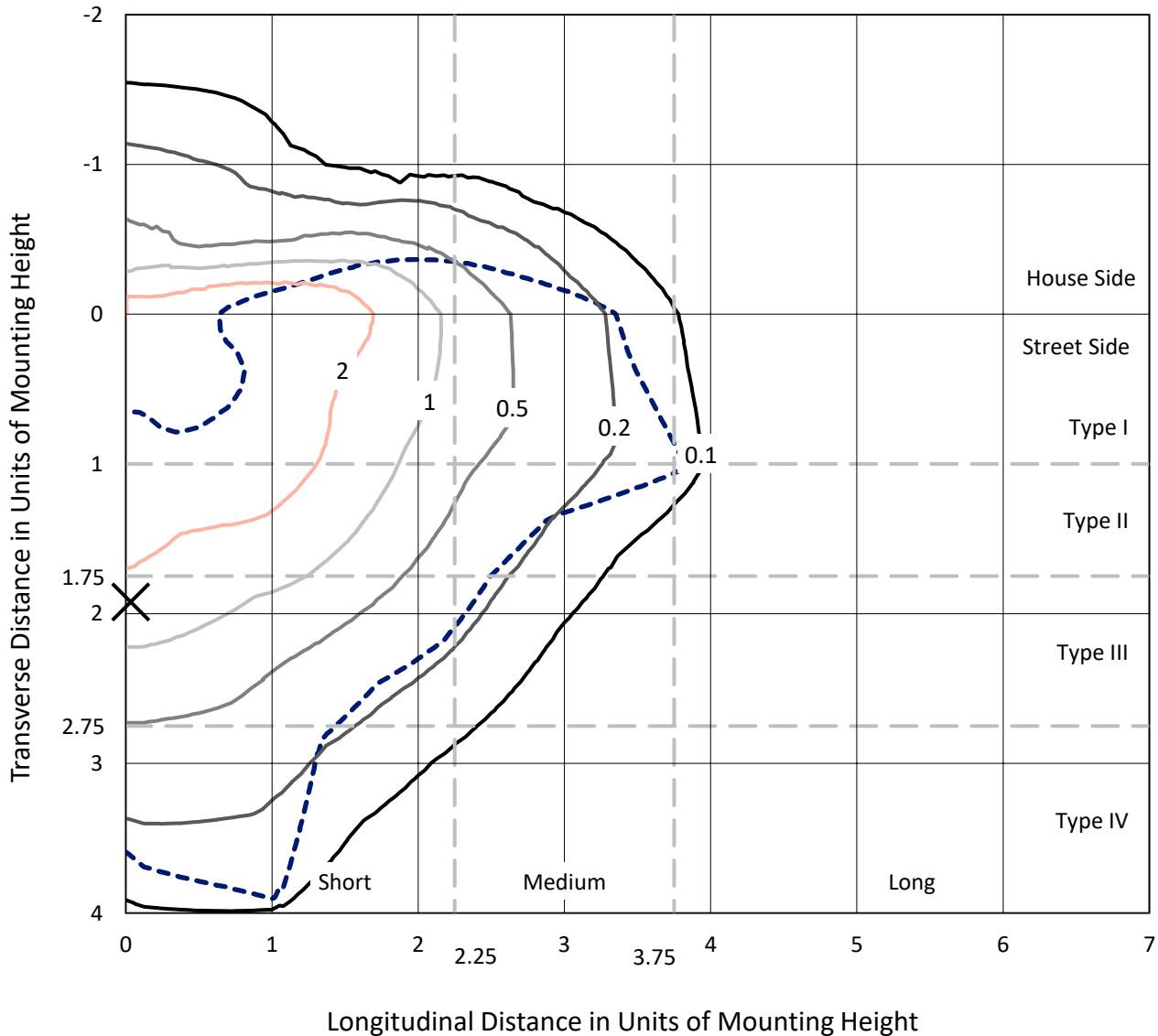
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

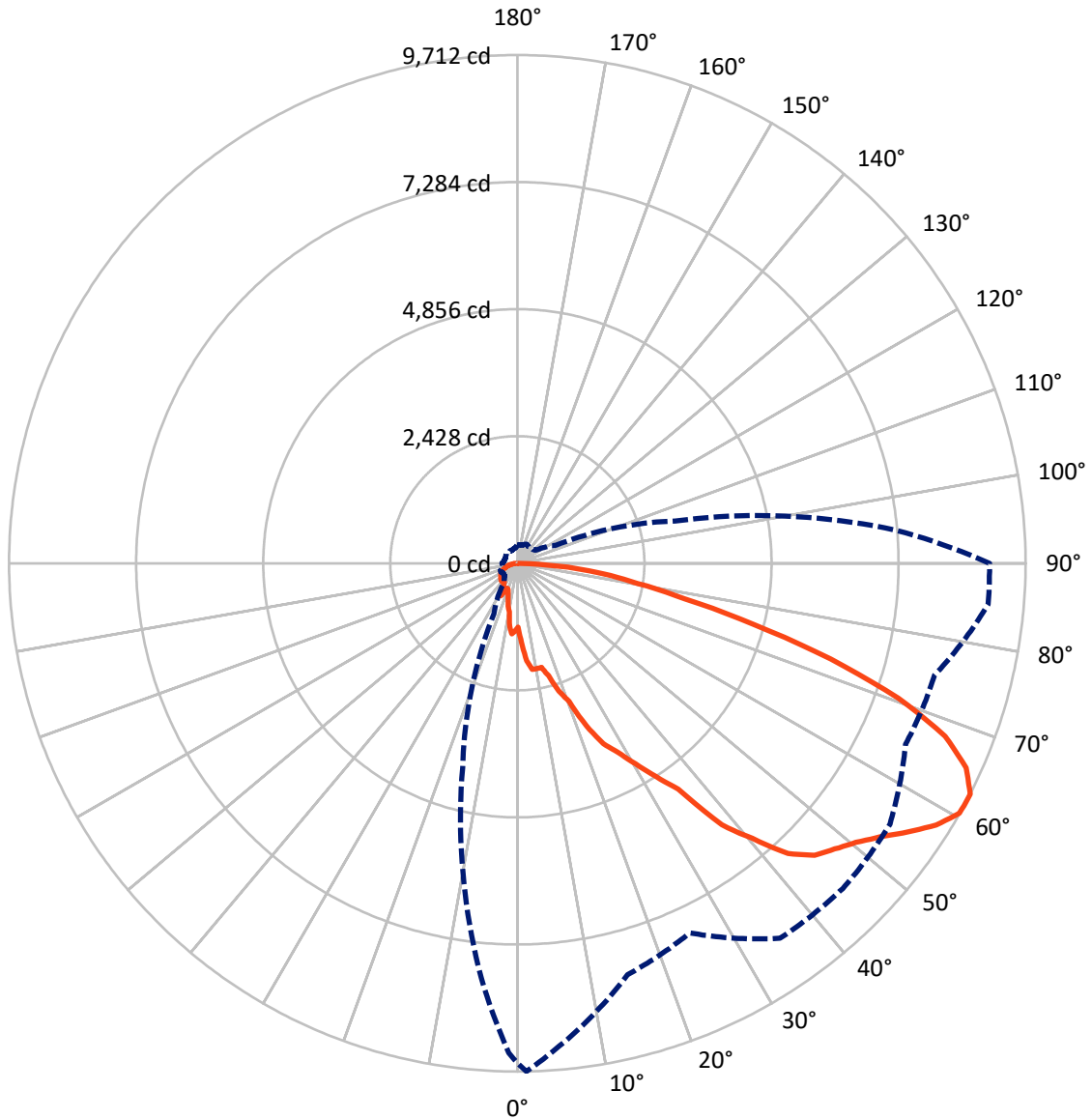
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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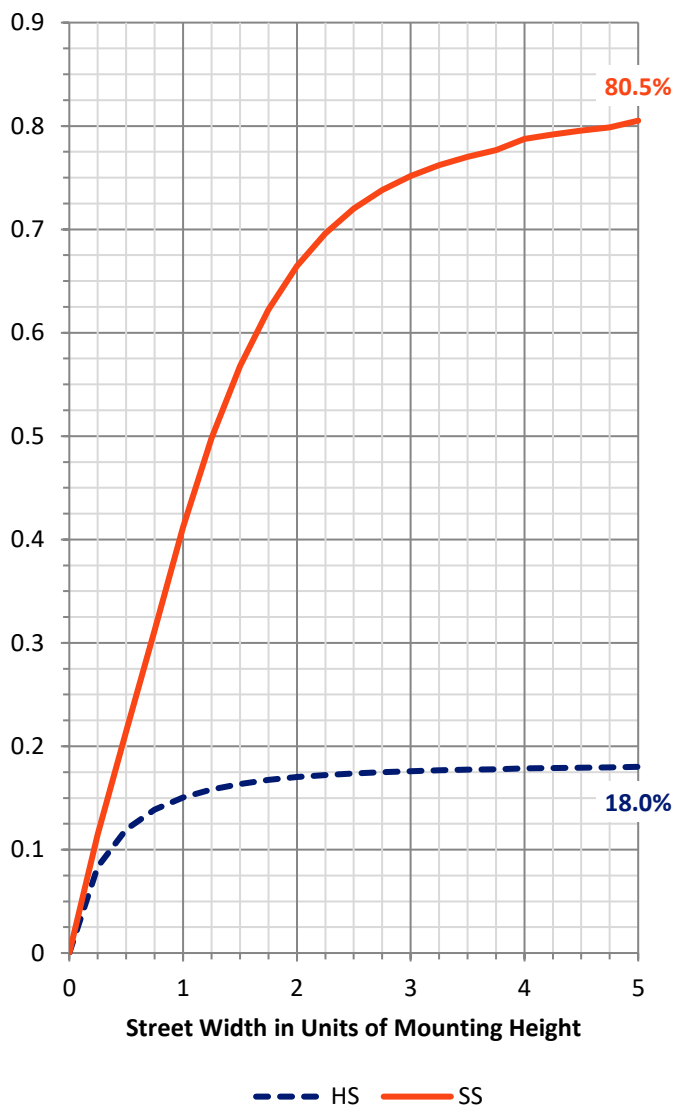
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2103.9 | 0.0 | 2103.9 |
| | % Fixture | 18.2 | 0.0 | 18.2 |
| Street Side | Lumens | 9450.1 | 0.0 | 9450.1 |
| | % Fixture | 81.8 | 0.0 | 81.8 |
| Total | Lumens | 11554.0 | 0.0 | 11554.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 139.7 | 1.2 |
| 10°-20° | 405.9 | 3.5 |
| 20°-30° | 716.5 | 6.2 |
| 30°-40° | 1116.1 | 9.7 |
| 40°-50° | 1837.8 | 15.9 |
| 50°-60° | 2623.0 | 22.7 |
| 60°-70° | 2781.4 | 24.1 |
| 70°-80° | 1536.3 | 13.3 |
| 80°-90° | 397.4 | 3.4 |
| 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° | 11554.0 | 100.0 |
| 0°-180° | 11554.0 | 100.0 |

Coefficient of Utilization



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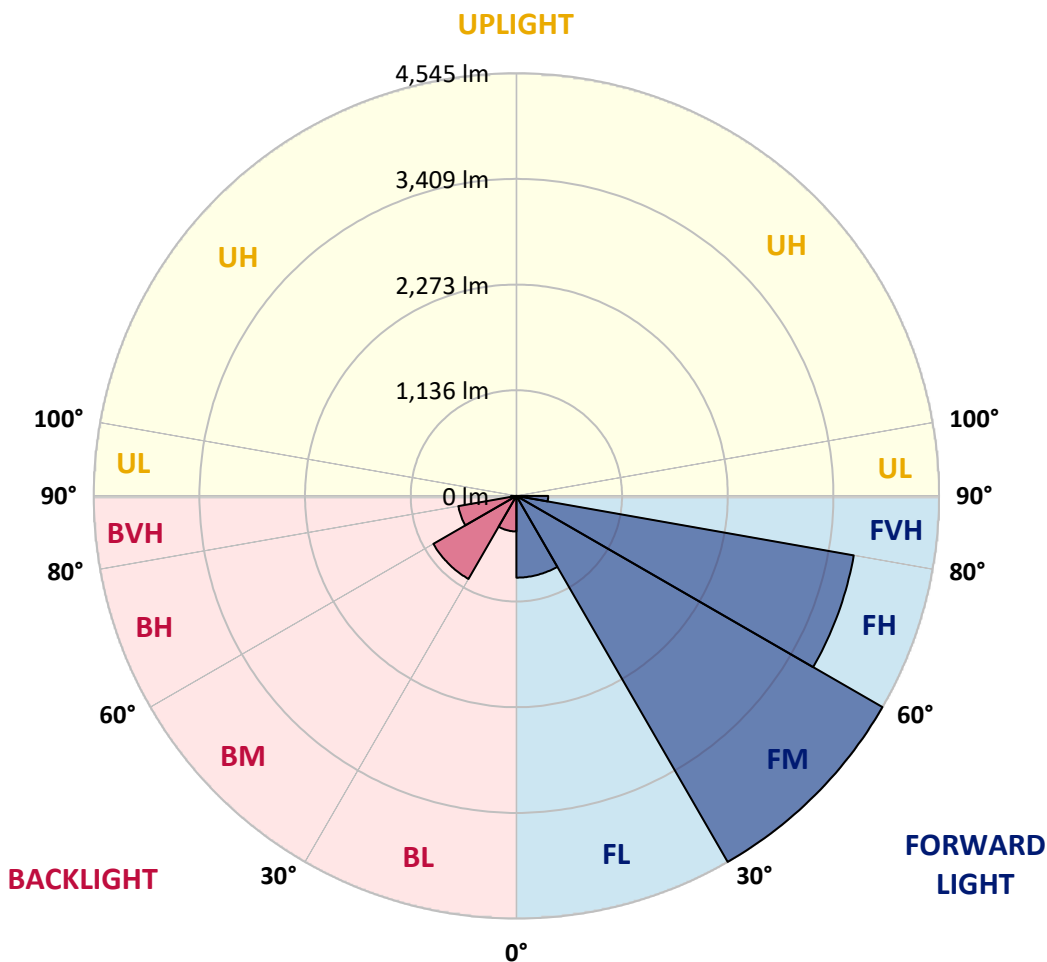
CATALOG NUMBER: PMM-SA2D-750-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 879.4 | 7.6 | | | |
| FM (30°-60°) | 4545.5 | 39.3 | | | |
| FH (60°-80°) | 3683.9 | 31.9 | | | G2/5000 |
| FVH (80°-90°) | 341.3 | 3.0 | | | G3/500 |
| BL (0°-30°) | 382.6 | 3.3 | B1/500 | | |
| BM (30°-60°) | 1031.4 | 8.9 | B2/2500 | | |
| BH (60°-80°) | 633.9 | 5.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 56.0 | 0.5 | | | 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 IV Short





REPORT NUMBER: P367600

CATALOG NUMBER: PMM-SA2D-750-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 |
| 2.5° | 1498.1 | 1511.0 | 1484.7 | 1455.0 | 1332.2 | 1450.5 | 1415.2 | 1480.8 | 1459.5 | 1317.0 | 1577.8 |
| 5° | 1851.4 | 1874.9 | 1849.1 | 1938.3 | 1943.9 | 1966.9 | 1754.4 | 1886.7 | 1840.7 | 1828.9 | 1960.7 |
| 7.5° | 2021.8 | 2045.9 | 2111.5 | 2270.2 | 2394.1 | 2282.0 | 2158.1 | 2130.6 | 2094.7 | 2001.1 | 2080.7 |
| 10° | 2032.5 | 2045.9 | 2133.9 | 2470.4 | 2530.3 | 2610.0 | 2529.8 | 2340.8 | 2262.9 | 2059.4 | 1998.8 |
| 12.5° | 2000.5 | 2042.6 | 2156.4 | 2566.2 | 2744.5 | 2831.4 | 2851.1 | 2640.8 | 2449.6 | 2217.5 | 2186.7 |
| 15° | 2215.2 | 2230.4 | 2393.5 | 2634.6 | 2757.4 | 2830.9 | 2894.8 | 2765.3 | 2705.3 | 2521.4 | 2274.1 |
| 17.5° | 2523.1 | 2565.1 | 2698.6 | 2787.7 | 2870.7 | 2884.7 | 2832.0 | 2781.5 | 2686.2 | 2931.8 | 2668.8 |
| 20° | 2731.6 | 2812.9 | 2976.7 | 2993.5 | 2819.1 | 2849.9 | 2842.6 | 2846.0 | 2791.6 | 3245.8 | 3101.1 |
| 22.5° | 3283.3 | 3371.4 | 3393.8 | 3296.2 | 2967.7 | 2826.9 | 2855.0 | 2936.3 | 3150.5 | 3539.6 | 3703.3 |
| 25° | 3782.9 | 3817.1 | 4021.8 | 3770.6 | 3246.9 | 2940.2 | 2894.2 | 3104.5 | 3453.8 | 4034.1 | 4150.7 |
| 27.5° | 4043.6 | 4087.9 | 4224.2 | 3677.5 | 3281.7 | 2794.4 | 2686.8 | 3006.9 | 3363.0 | 3801.4 | 4313.3 |
| 30° | 4377.2 | 4447.9 | 4633.5 | 3770.6 | 3386.5 | 2889.7 | 2651.5 | 2957.6 | 3351.2 | 3953.9 | 4657.6 |
| 32.5° | 4720.9 | 4858.3 | 4996.2 | 4098.6 | 3371.9 | 3035.5 | 2877.4 | 2902.1 | 3457.7 | 4273.5 | 5014.2 |
| 35° | 5176.2 | 5297.3 | 5416.2 | 4288.1 | 3665.7 | 3157.2 | 3000.2 | 3261.5 | 3731.3 | 4644.1 | 5511.5 |
| 37.5° | 6149.5 | 6341.3 | 6027.9 | 4827.5 | 3985.3 | 3705.5 | 3422.4 | 3577.1 | 4020.6 | 4953.0 | 6323.9 |
| 40° | 6769.7 | 6913.7 | 6611.0 | 5194.7 | 4548.2 | 4075.0 | 4028.5 | 4041.4 | 4419.3 | 5217.7 | 6870.6 |
| 42.5° | 7385.8 | 7581.0 | 7099.3 | 5698.8 | 5228.9 | 4838.1 | 4598.1 | 4581.9 | 4865.6 | 5693.1 | 7492.4 |
| 45° | 7845.6 | 7960.5 | 7267.0 | 6123.7 | 5958.9 | 5669.0 | 5489.1 | 5203.7 | 5452.1 | 6022.3 | 7877.0 |
| 47.5° | 8064.3 | 8157.9 | 7536.7 | 6371.0 | 6432.1 | 6447.3 | 6771.9 | 6285.2 | 5964.5 | 6244.9 | 8078.8 |
| 50° | 8337.3 | 8381.6 | 7695.3 | 6588.6 | 6881.8 | 7546.8 | 7624.7 | 6799.9 | 6463.5 | 6487.6 | 8198.3 |
| 52.5° | 8663.6 | 8682.1 | 7926.9 | 6839.7 | 7336.5 | 8270.0 | 8149.5 | 7672.3 | 6938.4 | 6931.1 | 8423.1 |
| 55° | 9074.0 | 9062.8 | 8217.3 | 7177.8 | 7661.1 | 8700.1 | 8608.7 | 8261.1 | 7455.9 | 7298.4 | 8773.0 |
| 57.5° | 9439.0 | 9432.3 | 8602.5 | 7489.0 | 7934.2 | 8921.0 | 8947.9 | 8855.9 | 7808.0 | 7561.3 | 9152.0 |
| 60° | 9617.9 | 9703.7 | 9041.0 | 7829.3 | 7951.6 | 9020.8 | 9030.9 | 8884.5 | 8201.6 | 7898.9 | 9252.9 |
| 62.5° | 9548.4 | 9711.5 | 9256.3 | 8135.5 | 7791.8 | 8748.3 | 8790.3 | 8689.4 | 8183.7 | 8253.2 | 9027.5 |
| 65° | 9232.2 | 9420.5 | 9069.6 | 8298.6 | 7693.7 | 8291.9 | 8302.5 | 8047.4 | 7927.5 | 8488.1 | 8499.3 |
| 67.5° | 8639.0 | 8815.6 | 8475.2 | 8038.5 | 7022.0 | 7061.8 | 7299.5 | 7320.2 | 7145.3 | 8311.0 | 7757.6 |
| 70° | 7600.6 | 7725.0 | 7512.0 | 7395.9 | 5869.2 | 5636.0 | 5893.9 | 6004.3 | 6083.9 | 7671.2 | 6867.2 |
| 72.5° | 6017.2 | 6257.7 | 6291.4 | 6367.1 | 4725.4 | 4336.9 | 4528.1 | 4364.3 | 4883.0 | 6529.1 | 5610.7 |
| 75° | 4451.8 | 4654.8 | 4872.9 | 5295.1 | 3724.6 | 3246.9 | 3223.3 | 3139.8 | 3624.2 | 5250.8 | 4161.4 |
| 77.5° | 3146.0 | 3275.5 | 3443.1 | 4229.8 | 2810.7 | 2500.6 | 2515.2 | 2430.5 | 2617.3 | 3968.5 | 2874.6 |
| 80° | 2255.1 | 2322.9 | 2400.8 | 2786.6 | 2073.4 | 2157.5 | 2159.7 | 2079.6 | 1946.1 | 2695.2 | 1918.6 |
| 82.5° | 1606.9 | 1659.6 | 1748.8 | 1837.9 | 1545.8 | 1768.4 | 1766.7 | 1761.7 | 1543.0 | 1821.6 | 1200.4 |
| 85° | 894.8 | 965.5 | 1120.2 | 1439.8 | 1116.3 | 1264.3 | 1111.8 | 1224.5 | 1132.6 | 1212.8 | 607.8 |
| 87.5° | 62.8 | 56.1 | 250.6 | 834.3 | 520.9 | 380.7 | 199.6 | 395.3 | 506.9 | 633.6 | 84.7 |
| 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-SA2D-750-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 |
| 2.5° | 1631.6 | 1651.2 | 1574.4 | 1458.9 | 1490.3 | 1456.1 | 1412.9 | 1345.6 | 1207.1 | 1292.9 | 1293.5 |
| 5° | 1959.6 | 1885.0 | 1825.0 | 1768.4 | 1673.1 | 1529.0 | 1509.9 | 1394.4 | 1329.4 | 1363.6 | 1358.5 |
| 7.5° | 2062.2 | 1956.2 | 1865.9 | 1663.5 | 1486.9 | 1263.2 | 1195.9 | 1127.5 | 1098.9 | 1181.9 | 1215.0 |
| 10° | 1949.5 | 1839.0 | 1750.4 | 1504.3 | 1384.3 | 1244.7 | 1059.7 | 964.9 | 908.9 | 930.7 | 943.6 |
| 12.5° | 2040.3 | 1927.6 | 1649.0 | 1511.6 | 1313.7 | 1228.4 | 1066.4 | 927.4 | 844.4 | 864.6 | 840.5 |
| 15° | 2127.8 | 1975.8 | 1697.2 | 1423.6 | 1263.2 | 1139.9 | 1008.7 | 865.1 | 767.6 | 732.8 | 714.3 |
| 17.5° | 2447.4 | 2195.1 | 1691.6 | 1374.2 | 1190.3 | 1048.5 | 890.4 | 733.4 | 668.3 | 632.4 | 601.6 |
| 20° | 2837.0 | 2485.5 | 1721.8 | 1323.2 | 1112.9 | 934.1 | 762.0 | 616.2 | 570.8 | 547.2 | 538.8 |
| 22.5° | 3300.7 | 2857.8 | 1895.1 | 1315.9 | 1040.1 | 850.6 | 691.3 | 600.5 | 549.5 | 523.7 | 513.0 |
| 25° | 3669.1 | 3243.0 | 2022.9 | 1365.3 | 1036.1 | 781.6 | 648.7 | 667.2 | 643.7 | 651.5 | 589.3 |
| 27.5° | 4026.8 | 3347.8 | 1951.2 | 1343.4 | 931.9 | 659.4 | 638.6 | 677.3 | 697.5 | 703.7 | 701.4 |
| 30° | 4329.0 | 3790.8 | 1966.9 | 1220.0 | 787.2 | 537.1 | 488.9 | 508.0 | 563.5 | 651.5 | 668.3 |
| 32.5° | 4771.4 | 4002.7 | 2100.9 | 1145.5 | 703.7 | 480.5 | 426.7 | 419.4 | 432.3 | 464.2 | 491.7 |
| 35° | 5288.9 | 4490.5 | 2138.4 | 1125.8 | 645.9 | 455.3 | 417.7 | 400.9 | 407.6 | 431.7 | 437.3 |
| 37.5° | 6253.8 | 4846.0 | 2277.5 | 1101.7 | 624.6 | 440.1 | 411.0 | 404.8 | 419.4 | 439.0 | 450.2 |
| 40° | 6785.9 | 5485.1 | 2284.2 | 1081.0 | 597.1 | 434.0 | 415.5 | 412.7 | 421.6 | 448.5 | 455.3 |
| 42.5° | 7495.2 | 5849.6 | 2389.6 | 1056.9 | 587.6 | 442.4 | 424.4 | 423.3 | 431.2 | 446.9 | 459.2 |
| 45° | 7927.5 | 6093.5 | 2395.2 | 1042.9 | 585.3 | 479.4 | 436.2 | 432.3 | 430.6 | 440.1 | 451.3 |
| 47.5° | 8206.1 | 6445.0 | 2463.6 | 1027.2 | 598.8 | 488.9 | 450.2 | 433.4 | 427.8 | 431.7 | 440.1 |
| 50° | 8470.2 | 6725.9 | 2593.1 | 1024.9 | 612.8 | 479.4 | 474.9 | 432.8 | 421.6 | 419.9 | 426.1 |
| 52.5° | 8794.3 | 7187.9 | 2752.9 | 1046.2 | 609.5 | 465.4 | 493.4 | 430.6 | 410.4 | 406.5 | 412.7 |
| 55° | 9265.8 | 7683.0 | 2922.8 | 1028.3 | 574.7 | 438.5 | 475.5 | 428.9 | 398.6 | 391.4 | 397.0 |
| 57.5° | 9571.4 | 7966.7 | 3112.9 | 1013.1 | 522.0 | 418.3 | 459.2 | 430.0 | 399.8 | 383.5 | 386.9 |
| 60° | 9469.9 | 7814.2 | 3187.5 | 920.6 | 472.1 | 402.6 | 420.5 | 421.1 | 389.7 | 374.5 | 377.3 |
| 62.5° | 9021.3 | 7261.9 | 3117.9 | 813.0 | 435.1 | 380.1 | 380.7 | 404.3 | 360.5 | 349.9 | 354.3 |
| 65° | 8394.5 | 6575.1 | 2836.5 | 742.9 | 417.7 | 356.6 | 347.6 | 354.9 | 321.3 | 313.4 | 322.4 |
| 67.5° | 7625.2 | 5728.5 | 2417.7 | 668.9 | 411.5 | 324.6 | 314.0 | 311.2 | 289.9 | 280.9 | 289.9 |
| 70° | 6660.3 | 4796.6 | 1932.7 | 616.7 | 388.0 | 289.9 | 281.5 | 278.7 | 260.7 | 254.0 | 261.8 |
| 72.5° | 5353.4 | 3745.3 | 1491.4 | 576.9 | 362.2 | 257.9 | 250.6 | 247.3 | 232.1 | 222.6 | 232.1 |
| 75° | 3807.6 | 2862.3 | 1107.9 | 515.8 | 325.8 | 225.4 | 217.0 | 212.5 | 198.5 | 189.5 | 197.9 |
| 77.5° | 2705.8 | 2148.5 | 773.7 | 426.7 | 268.6 | 190.6 | 185.6 | 178.3 | 166.0 | 155.3 | 163.7 |
| 80° | 2000.5 | 1535.1 | 499.0 | 329.1 | 205.2 | 152.5 | 149.7 | 144.7 | 132.9 | 120.0 | 126.2 |
| 82.5° | 1317.0 | 1106.8 | 285.9 | 223.2 | 149.1 | 109.9 | 112.1 | 108.8 | 97.6 | 84.1 | 87.5 |
| 85° | 589.8 | 655.4 | 151.9 | 122.8 | 97.0 | 66.2 | 72.3 | 70.1 | 61.7 | 48.8 | 49.9 |
| 87.5° | 56.6 | 110.5 | 46.5 | 44.9 | 35.9 | 20.7 | 25.8 | 21.9 | 18.5 | 11.8 | 9.0 |
| 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: P367600

CATALOG NUMBER: PMM-SA2D-750-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 |
| 2.5° | 1313.1 | 1234.1 | 1155.0 | 1203.2 | 1204.3 | 1217.2 | 1218.9 | 1171.3 | 1209.4 | 1238.5 | 1268.8 |
| 5° | 1333.9 | 1282.3 | 1285.1 | 1238.5 | 1213.3 | 1245.8 | 1239.1 | 1226.2 | 1249.2 | 1281.2 | 1319.8 |
| 7.5° | 1183.6 | 1150.0 | 1144.3 | 1099.5 | 990.7 | 966.6 | 986.8 | 995.2 | 1026.0 | 1075.4 | 1116.9 |
| 10° | 924.0 | 990.7 | 915.6 | 898.2 | 869.6 | 813.5 | 781.0 | 777.1 | 842.7 | 882.5 | 917.3 |
| 12.5° | 832.6 | 815.8 | 806.8 | 759.2 | 759.2 | 699.7 | 680.7 | 698.0 | 799.0 | 827.6 | 872.4 |
| 15° | 709.3 | 696.9 | 655.4 | 631.9 | 620.7 | 596.6 | 616.7 | 633.6 | 727.8 | 730.0 | 777.1 |
| 17.5° | 588.7 | 581.4 | 542.2 | 537.7 | 526.5 | 515.8 | 534.3 | 574.7 | 625.7 | 616.7 | 638.6 |
| 20° | 526.5 | 501.2 | 465.4 | 478.3 | 466.5 | 458.1 | 450.2 | 507.4 | 543.3 | 555.1 | 568.0 |
| 22.5° | 510.8 | 464.8 | 443.5 | 431.7 | 432.3 | 418.8 | 420.5 | 468.2 | 522.6 | 529.8 | 522.0 |
| 25° | 583.7 | 501.8 | 432.8 | 398.6 | 385.7 | 381.3 | 394.2 | 436.2 | 501.8 | 517.5 | 523.7 |
| 27.5° | 682.9 | 545.0 | 445.7 | 387.4 | 361.6 | 363.9 | 382.4 | 411.5 | 488.9 | 516.9 | 524.2 |
| 30° | 655.4 | 512.5 | 446.3 | 379.0 | 347.1 | 358.8 | 365.6 | 393.6 | 478.8 | 520.9 | 557.3 |
| 32.5° | 505.7 | 460.9 | 449.1 | 385.7 | 372.9 | 354.3 | 363.9 | 390.8 | 449.1 | 475.5 | 477.1 |
| 35° | 428.4 | 394.2 | 386.3 | 370.6 | 352.7 | 344.8 | 355.5 | 379.0 | 417.1 | 433.4 | 431.2 |
| 37.5° | 425.0 | 387.4 | 356.6 | 349.9 | 342.6 | 340.3 | 346.5 | 368.4 | 407.1 | 435.6 | 429.5 |
| 40° | 430.6 | 384.1 | 352.7 | 340.9 | 343.7 | 333.6 | 339.8 | 366.7 | 408.7 | 435.6 | 430.0 |
| 42.5° | 423.9 | 380.1 | 347.6 | 338.7 | 341.5 | 327.4 | 334.7 | 362.8 | 404.3 | 436.2 | 425.6 |
| 45° | 410.4 | 371.2 | 344.8 | 329.7 | 342.6 | 321.8 | 330.8 | 352.7 | 390.8 | 425.6 | 413.2 |
| 47.5° | 397.0 | 360.5 | 333.0 | 323.5 | 336.4 | 316.2 | 320.1 | 339.2 | 377.3 | 411.5 | 400.9 |
| 50° | 382.4 | 347.1 | 323.5 | 320.7 | 329.7 | 315.1 | 308.9 | 324.6 | 361.1 | 395.3 | 386.3 |
| 52.5° | 366.7 | 335.8 | 316.8 | 315.7 | 324.1 | 307.8 | 298.8 | 311.2 | 343.7 | 377.9 | 370.6 |
| 55° | 351.5 | 323.5 | 308.4 | 311.2 | 320.7 | 301.6 | 290.4 | 298.3 | 325.2 | 358.8 | 348.7 |
| 57.5° | 336.4 | 309.5 | 297.2 | 305.0 | 312.3 | 293.8 | 279.8 | 284.3 | 306.1 | 339.2 | 327.4 |
| 60° | 323.0 | 297.2 | 284.8 | 294.4 | 301.1 | 282.0 | 265.8 | 268.6 | 288.2 | 317.9 | 307.3 |
| 62.5° | 305.6 | 283.7 | 267.4 | 279.8 | 284.8 | 266.3 | 248.9 | 252.3 | 268.0 | 296.0 | 288.2 |
| 65° | 280.9 | 266.9 | 251.7 | 260.2 | 266.9 | 247.8 | 231.6 | 235.5 | 247.3 | 273.6 | 268.0 |
| 67.5° | 259.6 | 246.1 | 236.0 | 242.8 | 243.9 | 229.3 | 214.7 | 217.0 | 226.5 | 251.2 | 245.0 |
| 70° | 236.0 | 223.2 | 215.3 | 220.3 | 219.8 | 207.5 | 196.2 | 196.8 | 204.6 | 227.1 | 218.7 |
| 72.5° | 210.3 | 197.9 | 194.0 | 196.8 | 194.6 | 183.3 | 172.7 | 176.6 | 181.7 | 198.5 | 191.8 |
| 75° | 182.8 | 171.6 | 169.3 | 172.1 | 168.8 | 158.1 | 148.6 | 152.5 | 157.0 | 171.0 | 162.6 |
| 77.5° | 154.2 | 144.1 | 144.7 | 145.2 | 140.7 | 133.4 | 123.9 | 127.8 | 130.6 | 140.2 | 131.8 |
| 80° | 122.8 | 114.9 | 117.2 | 117.2 | 112.1 | 107.1 | 98.1 | 99.2 | 100.9 | 104.3 | 98.1 |
| 82.5° | 89.7 | 89.7 | 89.7 | 90.3 | 79.6 | 81.3 | 73.4 | 72.9 | 71.2 | 70.6 | 66.7 |
| 85° | 53.3 | 55.5 | 56.6 | 58.3 | 43.2 | 50.5 | 43.7 | 42.1 | 38.7 | 35.3 | 34.2 |
| 87.5° | 11.8 | 15.1 | 15.1 | 14.6 | 0.0 | 5.6 | 2.8 | 4.5 | 1.1 | 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 |



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| 2.5° | 1234.1 | 1200.4 | 1263.2 | 1319.3 | 1310.3 | 1342.8 | 1267.1 | 1379.3 | 1498.1 | 1498.1 |
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| 22.5° | 514.7 | 488.9 | 556.8 | 744.0 | 1030.0 | 1396.7 | 2006.1 | 2868.4 | 3204.3 | 3283.3 |
| 25° | 498.4 | 467.0 | 509.7 | 656.6 | 952.0 | 1428.6 | 2243.3 | 3320.9 | 3752.1 | 3782.9 |
| 27.5° | 505.2 | 519.8 | 533.2 | 585.3 | 853.4 | 1368.6 | 2188.3 | 3523.3 | 3985.3 | 4043.6 |
| 30° | 550.6 | 574.1 | 543.3 | 561.2 | 772.1 | 1281.7 | 2286.5 | 3851.9 | 4279.1 | 4377.2 |
| 32.5° | 458.1 | 449.1 | 446.3 | 485.5 | 690.8 | 1203.2 | 2492.2 | 4314.4 | 4597.6 | 4720.9 |
| 35° | 413.2 | 399.2 | 404.8 | 449.7 | 650.9 | 1192.0 | 2607.7 | 4697.4 | 5100.5 | 5176.2 |
| 37.5° | 411.5 | 395.3 | 402.6 | 436.2 | 665.0 | 1212.2 | 2792.7 | 5311.9 | 5987.5 | 6149.5 |
| 40° | 407.6 | 398.6 | 402.6 | 427.8 | 650.4 | 1223.4 | 2899.3 | 5828.3 | 6605.4 | 6769.7 |
| 42.5° | 407.1 | 402.6 | 406.5 | 434.5 | 635.3 | 1228.4 | 3046.7 | 6294.8 | 7256.3 | 7385.8 |
| 45° | 405.4 | 409.9 | 409.9 | 440.1 | 628.5 | 1262.1 | 3133.6 | 6523.5 | 7685.8 | 7845.6 |
| 47.5° | 397.5 | 411.0 | 432.8 | 438.5 | 601.0 | 1246.4 | 3256.4 | 6870.6 | 7914.0 | 8064.3 |
| 50° | 387.4 | 409.3 | 462.0 | 427.2 | 596.6 | 1208.3 | 3400.0 | 7145.9 | 8206.7 | 8337.3 |
| 52.5° | 374.0 | 406.5 | 455.3 | 405.4 | 588.7 | 1201.5 | 3601.2 | 7503.6 | 8548.1 | 8663.6 |
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| 60° | 321.8 | 379.6 | 361.1 | 358.3 | 477.7 | 1124.7 | 4192.8 | 8304.8 | 9509.7 | 9617.9 |
| 62.5° | 305.0 | 358.3 | 330.8 | 340.9 | 436.8 | 1063.0 | 4045.3 | 7948.8 | 9358.9 | 9548.4 |
| 65° | 283.1 | 307.3 | 305.6 | 328.6 | 437.9 | 962.7 | 3707.2 | 7320.8 | 8982.7 | 9232.2 |
| 67.5° | 257.4 | 271.9 | 281.5 | 308.4 | 451.9 | 884.8 | 3163.4 | 6565.6 | 8342.4 | 8639.0 |
| 70° | 231.0 | 245.6 | 256.2 | 282.0 | 464.8 | 848.9 | 2518.0 | 5504.8 | 7299.5 | 7600.6 |
| 72.5° | 204.1 | 219.2 | 227.6 | 250.1 | 447.4 | 772.1 | 1863.7 | 4283.0 | 5859.1 | 6017.2 |
| 75° | 176.1 | 190.6 | 197.4 | 218.1 | 388.6 | 638.6 | 1286.8 | 3244.1 | 4291.4 | 4451.8 |
| 77.5° | 147.5 | 163.2 | 165.4 | 182.2 | 296.6 | 488.4 | 824.8 | 2488.3 | 3038.9 | 3146.0 |
| 80° | 117.7 | 133.4 | 133.4 | 142.4 | 208.6 | 335.8 | 494.0 | 1877.2 | 2213.0 | 2255.1 |
| 82.5° | 84.7 | 101.5 | 100.4 | 100.9 | 144.1 | 208.0 | 285.9 | 1406.7 | 1599.1 | 1606.9 |
| 85° | 49.9 | 61.7 | 61.1 | 56.1 | 85.2 | 112.1 | 154.7 | 873.5 | 892.6 | 894.8 |
| 87.5° | 9.5 | 14.6 | 12.9 | 5.6 | 23.5 | 33.1 | 44.9 | 162.0 | 64.5 | 62.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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