

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: P565385

Luminaire Tested: **PMM-SA2B-760-U-T1**

Issue Date: 8/19/2021

Test Information

Test Method: LM-79-08
Report Number: P565385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2108-334-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 8/19/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2B-760-U-T1
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS.
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9006 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

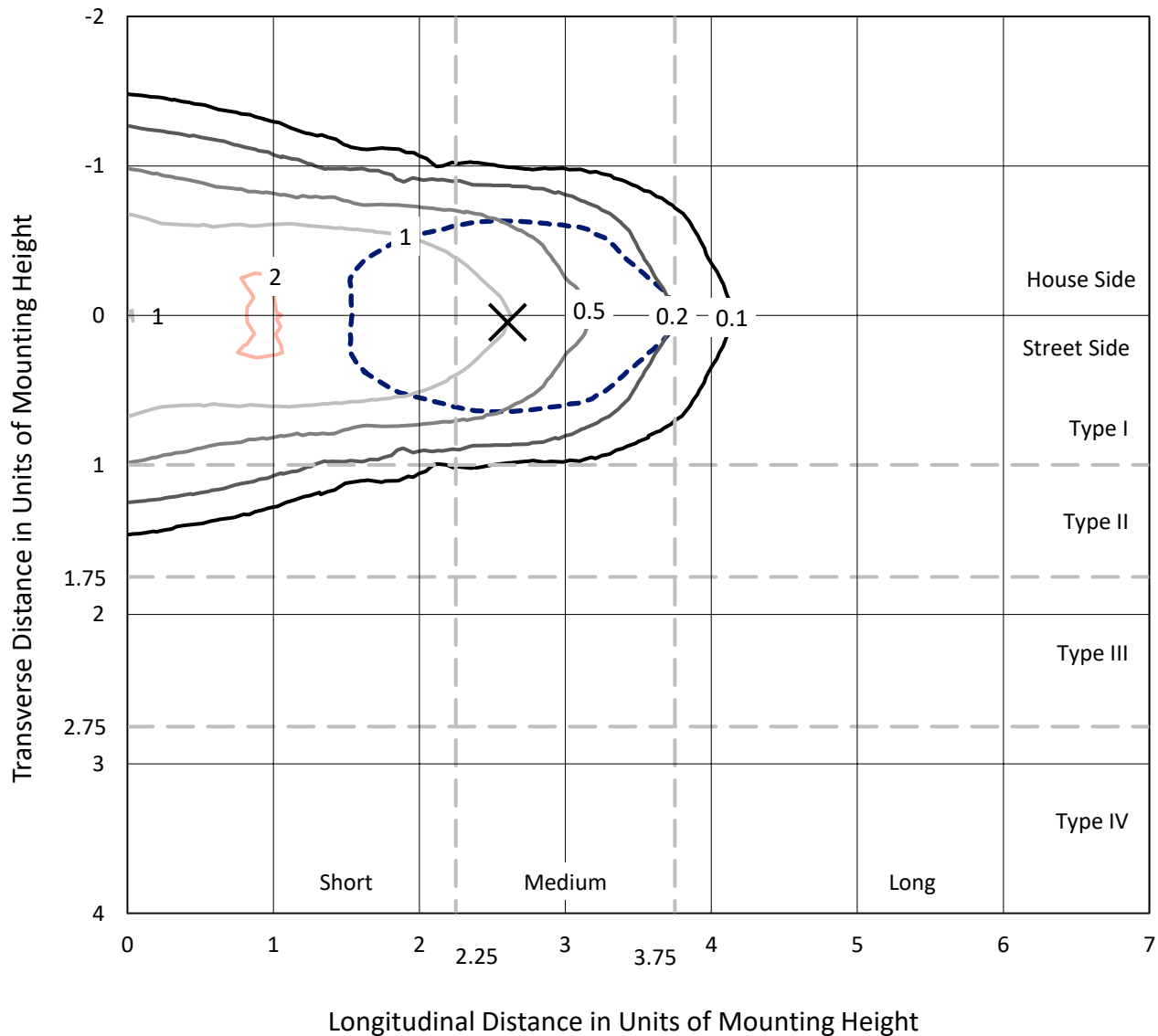
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

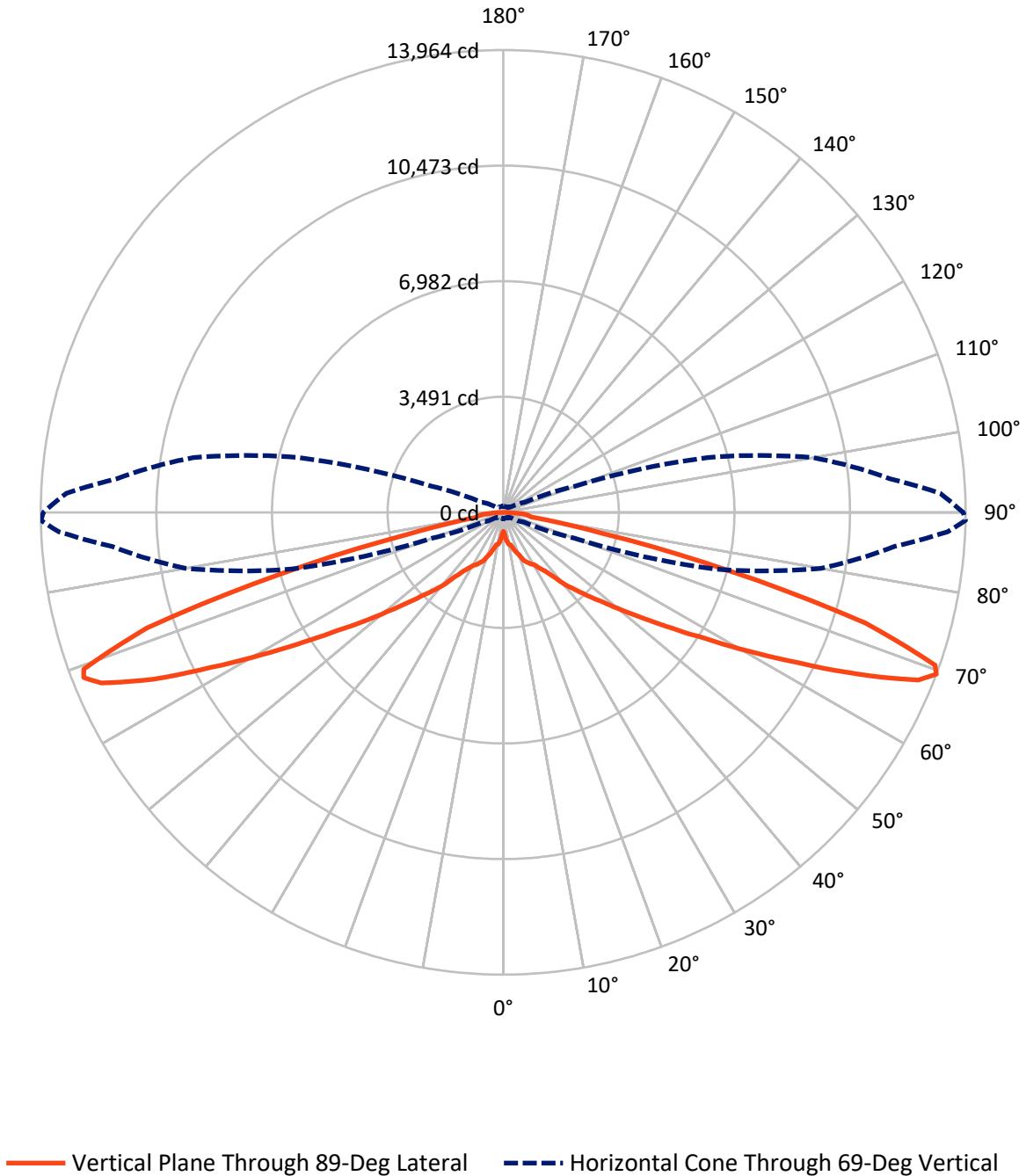
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



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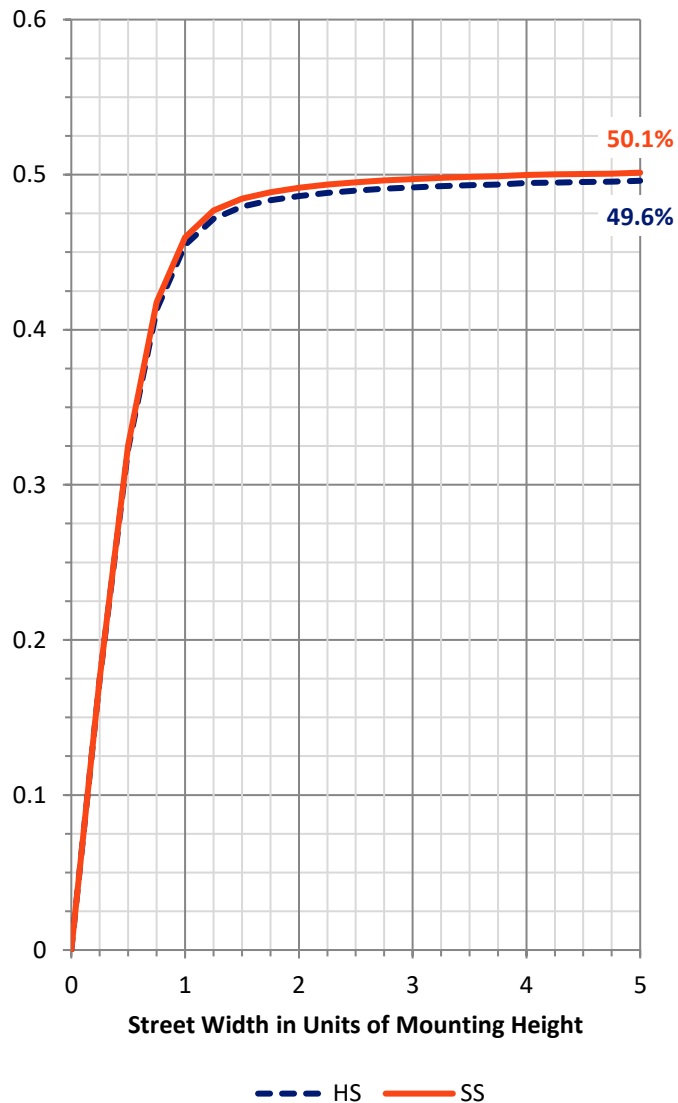
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4502.9 | 0.0 | 4502.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4503.1 | 0.0 | 4503.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9006.0 | 0.0 | 9006.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.7 | 0.8 |
| 10°-20° | 330.2 | 3.7 |
| 20°-30° | 658.8 | 7.3 |
| 30°-40° | 996.5 | 11.1 |
| 40°-50° | 1446.5 | 16.1 |
| 50°-60° | 1900.4 | 21.1 |
| 60°-70° | 2318.2 | 25.7 |
| 70°-80° | 1172.0 | 13.0 |
| 80°-90° | 111.7 | 1.2 |
| 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° | 9006.0 | 100.0 |
| 0°-180° | 9006.0 | 100.0 |

Coefficient of Utilization



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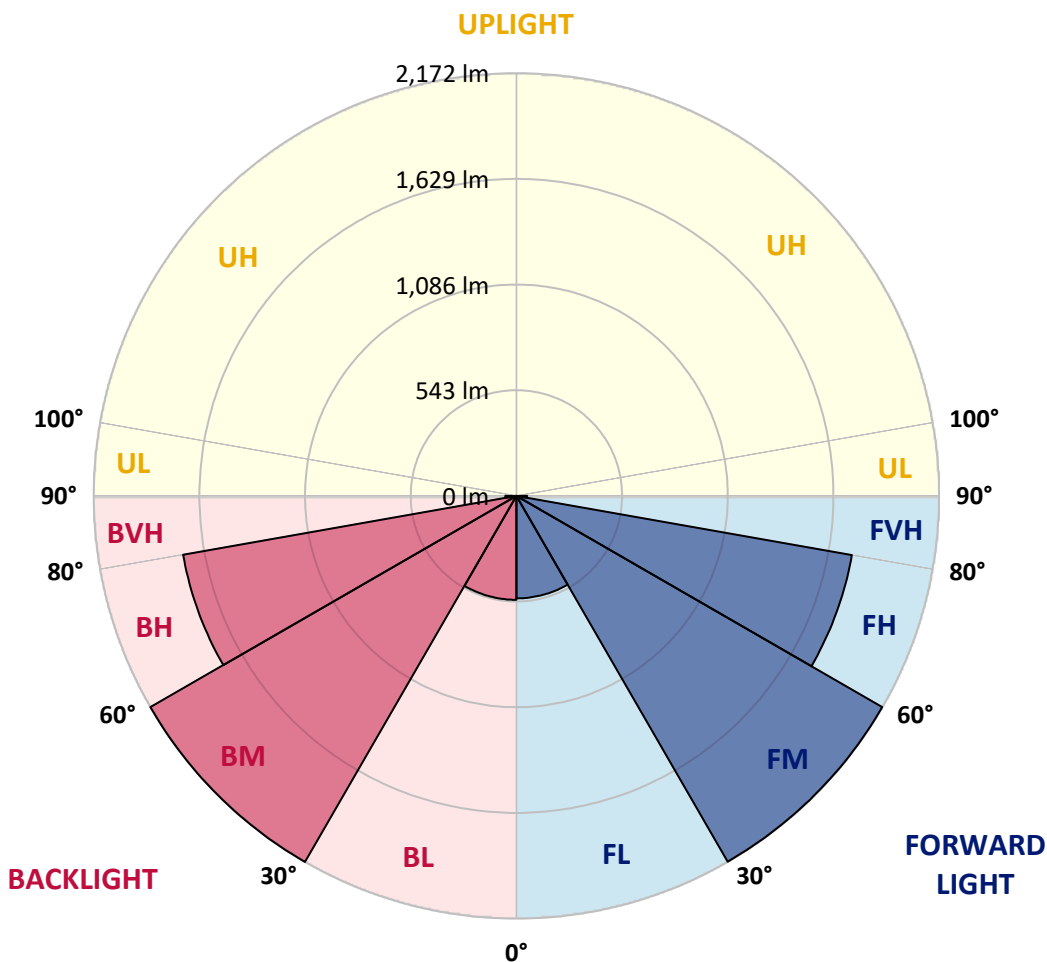
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 526.7 | 5.8 | | | |
| FM (30°-60°) | 2170.9 | 24.1 | | | |
| FH (60°-80°) | 1750.7 | 19.4 | | | G1/1800 |
| FVH (80°-90°) | 54.8 | 0.6 | | | G1/100 |
| BL (0°-30°) | 534.1 | 5.9 | B2/1000 | | |
| BM (30°-60°) | 2172.4 | 24.1 | B2/2500 | | |
| BH (60°-80°) | 1739.5 | 19.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 56.9 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 |
| 2.5° | 669.4 | 592.3 | 585.5 | 567.1 | 580.5 | 585.5 | 573.8 | 557.0 | 575.5 | 585.5 | 567.1 |
| 5° | 843.9 | 729.8 | 691.2 | 659.4 | 595.6 | 568.8 | 595.6 | 664.4 | 672.8 | 714.7 | 703.0 |
| 7.5° | 929.5 | 911.0 | 862.4 | 756.7 | 654.3 | 597.3 | 669.4 | 768.4 | 818.7 | 859.0 | 901.0 |
| 10° | 993.2 | 983.2 | 897.6 | 822.1 | 780.2 | 783.5 | 785.2 | 817.1 | 860.7 | 927.8 | 951.3 |
| 12.5° | 1008.3 | 1005.0 | 1018.4 | 1001.6 | 1005.0 | 1023.4 | 1005.0 | 996.6 | 1021.8 | 1043.6 | 1020.1 |
| 15° | 1105.6 | 1104.0 | 1109.0 | 1112.4 | 1179.5 | 1208.0 | 1179.5 | 1154.3 | 1135.8 | 1117.4 | 1156.0 |
| 17.5° | 1172.8 | 1164.4 | 1166.0 | 1197.9 | 1273.4 | 1352.3 | 1337.2 | 1303.6 | 1261.7 | 1286.8 | 1318.7 |
| 20° | 1209.7 | 1194.6 | 1204.6 | 1218.1 | 1345.6 | 1432.8 | 1442.9 | 1397.6 | 1372.4 | 1404.3 | 1431.1 |
| 22.5° | 1244.9 | 1221.4 | 1186.2 | 1199.6 | 1317.0 | 1442.9 | 1491.5 | 1479.8 | 1498.2 | 1508.3 | 1503.3 |
| 25° | 1203.0 | 1218.1 | 1179.5 | 1218.1 | 1337.2 | 1452.9 | 1550.3 | 1619.0 | 1620.7 | 1615.7 | 1652.6 |
| 27.5° | 1177.8 | 1166.0 | 1100.6 | 1199.6 | 1298.6 | 1370.7 | 1619.0 | 1734.8 | 1770.0 | 1662.7 | 1734.8 |
| 30° | 1134.2 | 1152.6 | 1063.7 | 1145.9 | 1271.7 | 1392.5 | 1697.9 | 1864.0 | 1812.0 | 1798.6 | 1815.3 |
| 32.5° | 1107.3 | 1095.6 | 1053.6 | 1098.9 | 1194.6 | 1458.0 | 1748.2 | 1939.5 | 2004.9 | 1973.1 | 1969.7 |
| 35° | 1063.7 | 1072.1 | 1006.7 | 1055.3 | 1189.5 | 1402.6 | 1781.8 | 2129.1 | 2229.7 | 2204.6 | 2184.4 |
| 37.5° | 1070.4 | 1041.9 | 994.9 | 1030.1 | 1157.7 | 1432.8 | 1865.7 | 2312.0 | 2471.3 | 2484.8 | 2392.5 |
| 40° | 1020.1 | 1003.3 | 932.8 | 991.6 | 1097.3 | 1414.4 | 1885.8 | 2520.0 | 2790.1 | 2850.5 | 2718.0 |
| 42.5° | 947.9 | 926.1 | 885.9 | 951.3 | 1062.0 | 1323.8 | 1914.3 | 2770.0 | 3113.9 | 3239.8 | 3119.0 |
| 45° | 843.9 | 815.4 | 795.3 | 882.5 | 984.8 | 1300.3 | 1884.1 | 2978.0 | 3424.3 | 3597.1 | 3593.8 |
| 47.5° | 718.1 | 699.6 | 689.6 | 781.8 | 921.1 | 1241.5 | 1822.1 | 3108.9 | 3640.7 | 4083.7 | 4016.6 |
| 50° | 575.5 | 562.1 | 560.4 | 657.7 | 813.7 | 1120.7 | 1751.6 | 3174.3 | 3969.6 | 4530.0 | 4588.7 |
| 52.5° | 461.4 | 451.3 | 449.6 | 528.5 | 681.2 | 958.0 | 1603.9 | 3224.7 | 4283.3 | 5036.6 | 5338.6 |
| 55° | 360.7 | 350.7 | 352.3 | 417.8 | 541.9 | 783.5 | 1379.1 | 3167.6 | 4558.5 | 5555.1 | 6127.2 |
| 57.5° | 295.3 | 285.2 | 286.9 | 323.8 | 414.4 | 599.0 | 1098.9 | 3043.5 | 4682.6 | 6196.0 | 7046.6 |
| 60° | 260.1 | 250.0 | 245.0 | 261.7 | 318.8 | 451.3 | 817.1 | 2560.3 | 4702.8 | 6727.8 | 8044.9 |
| 62.5° | 241.6 | 231.5 | 226.5 | 231.5 | 263.4 | 345.6 | 588.9 | 2028.4 | 4587.0 | 7182.5 | 8959.3 |
| 65° | 224.8 | 216.4 | 209.7 | 214.8 | 231.5 | 275.2 | 429.5 | 1389.2 | 3981.3 | 7390.6 | 9623.7 |
| 67.5° | 206.4 | 199.7 | 192.9 | 199.7 | 211.4 | 231.5 | 333.9 | 879.1 | 2984.7 | 7120.4 | 9900.5 |
| 69° | 196.3 | 186.2 | 182.9 | 187.9 | 199.7 | 213.1 | 288.6 | 701.3 | 2270.0 | 6607.0 | 9732.7 |
| 70° | 186.2 | 179.5 | 174.5 | 182.9 | 192.9 | 203.0 | 260.1 | 595.6 | 1780.1 | 5947.7 | 9316.6 |
| 72.5° | 164.4 | 159.4 | 156.0 | 164.4 | 172.8 | 179.5 | 213.1 | 424.5 | 1031.8 | 4050.1 | 7388.9 |
| 75° | 144.3 | 139.3 | 137.6 | 144.3 | 151.0 | 154.4 | 179.5 | 291.9 | 609.0 | 2119.0 | 4432.7 |
| 77.5° | 120.8 | 114.1 | 115.8 | 124.2 | 129.2 | 130.9 | 151.0 | 209.7 | 359.0 | 959.7 | 2053.6 |
| 80° | 88.9 | 88.9 | 95.6 | 102.3 | 102.3 | 102.3 | 120.8 | 152.7 | 218.1 | 441.3 | 852.3 |
| 82.5° | 62.1 | 63.8 | 65.4 | 75.5 | 77.2 | 70.5 | 92.3 | 110.7 | 135.9 | 192.9 | 295.3 |
| 85° | 35.2 | 36.9 | 38.6 | 45.3 | 47.0 | 41.9 | 60.4 | 70.5 | 78.9 | 95.6 | 154.4 |
| 87.5° | 13.4 | 15.1 | 20.1 | 23.5 | 25.2 | 18.5 | 28.5 | 33.6 | 33.6 | 40.3 | 68.8 |
| 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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CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 89° | 90° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 |
| 2.5° | 605.7 | 617.4 | 639.2 | 644.3 | 625.8 | 605.7 | 560.4 | 588.9 | 600.6 | 578.8 | 585.5 |
| 5° | 750.0 | 775.1 | 802.0 | 770.1 | 750.0 | 736.5 | 714.7 | 716.4 | 704.7 | 666.1 | 602.3 |
| 7.5° | 912.7 | 884.2 | 904.3 | 926.1 | 894.2 | 895.9 | 916.1 | 874.1 | 842.2 | 776.8 | 657.7 |
| 10° | 988.2 | 988.2 | 993.2 | 993.2 | 979.8 | 979.8 | 978.1 | 911.0 | 872.4 | 843.9 | 810.4 |
| 12.5° | 993.2 | 991.6 | 1011.7 | 996.6 | 999.9 | 1003.3 | 1011.7 | 1041.9 | 1031.8 | 994.9 | 1025.1 |
| 15° | 1132.5 | 1125.8 | 1132.5 | 1130.8 | 1135.8 | 1150.9 | 1144.2 | 1137.5 | 1139.2 | 1166.0 | 1211.3 |
| 17.5° | 1263.4 | 1266.7 | 1260.0 | 1271.7 | 1271.7 | 1281.8 | 1305.3 | 1281.8 | 1261.7 | 1312.0 | 1347.2 |
| 20° | 1414.4 | 1402.6 | 1375.8 | 1395.9 | 1400.9 | 1402.6 | 1441.2 | 1412.7 | 1384.2 | 1402.6 | 1444.6 |
| 22.5° | 1567.0 | 1565.4 | 1568.7 | 1570.4 | 1577.1 | 1551.9 | 1499.9 | 1491.5 | 1510.0 | 1484.8 | 1489.9 |
| 25° | 1661.0 | 1662.7 | 1671.1 | 1672.7 | 1644.2 | 1671.1 | 1689.5 | 1634.1 | 1634.1 | 1629.1 | 1595.6 |
| 27.5° | 1775.1 | 1749.9 | 1760.0 | 1773.4 | 1761.7 | 1768.4 | 1746.6 | 1666.0 | 1751.6 | 1763.3 | 1629.1 |
| 30° | 1852.3 | 1840.5 | 1828.8 | 1842.2 | 1853.9 | 1884.1 | 1822.1 | 1813.7 | 1820.4 | 1882.5 | 1706.3 |
| 32.5° | 2015.0 | 2031.8 | 2010.0 | 1988.2 | 2010.0 | 2003.3 | 1976.4 | 1964.7 | 2048.6 | 1966.3 | 1760.0 |
| 35° | 2166.0 | 2172.7 | 2174.4 | 2171.0 | 2184.4 | 2161.0 | 2161.0 | 2204.6 | 2229.7 | 2140.8 | 1776.8 |
| 37.5° | 2530.1 | 2506.6 | 2457.9 | 2434.4 | 2476.4 | 2511.6 | 2407.6 | 2459.6 | 2449.5 | 2298.5 | 1902.6 |
| 40° | 2791.8 | 2845.5 | 2860.6 | 2853.9 | 2860.6 | 2759.9 | 2781.7 | 2820.3 | 2775.0 | 2525.0 | 1859.0 |
| 42.5° | 3174.3 | 3207.9 | 3196.1 | 3181.0 | 3187.8 | 3169.3 | 3103.9 | 3246.5 | 3083.7 | 2778.4 | 1926.1 |
| 45° | 3523.3 | 3598.8 | 3603.8 | 3551.8 | 3593.8 | 3528.3 | 3555.2 | 3605.5 | 3441.1 | 2968.0 | 1907.6 |
| 47.5° | 3939.4 | 4095.4 | 4036.7 | 4036.7 | 4078.6 | 3937.7 | 4001.5 | 4068.6 | 3632.4 | 3095.5 | 1807.0 |
| 50° | 4555.1 | 4639.0 | 4635.7 | 4620.6 | 4639.0 | 4563.5 | 4553.5 | 4545.1 | 3926.0 | 3216.3 | 1744.9 |
| 52.5° | 5251.4 | 5365.5 | 5321.9 | 5338.6 | 5363.8 | 5221.2 | 5333.6 | 5026.6 | 4293.4 | 3261.6 | 1603.9 |
| 55° | 6140.6 | 6219.5 | 6175.8 | 6090.3 | 6204.4 | 6113.8 | 6150.7 | 5551.7 | 4548.4 | 3132.4 | 1369.1 |
| 57.5° | 7199.3 | 7239.6 | 7167.4 | 7159.0 | 7234.5 | 7137.2 | 7075.1 | 6142.3 | 4681.0 | 3035.1 | 1093.9 |
| 60° | 8435.8 | 8561.6 | 8516.3 | 8444.2 | 8513.0 | 8427.4 | 7957.6 | 6643.9 | 4654.1 | 2580.4 | 847.3 |
| 62.5° | 9918.9 | 10046.5 | 9996.1 | 9947.5 | 9991.1 | 9767.9 | 8786.5 | 7039.9 | 4533.3 | 2045.2 | 619.1 |
| 65° | 11143.7 | 11719.2 | 11794.7 | 11796.4 | 11585.0 | 11068.2 | 9447.5 | 7194.3 | 3895.8 | 1427.8 | 453.0 |
| 67.5° | 11949.0 | 13145.3 | 13517.7 | 13383.5 | 12898.7 | 11719.2 | 9714.3 | 6892.3 | 3008.2 | 902.6 | 338.9 |
| 69° | 11856.8 | 13425.5 | 13964.0 | 13888.5 | 13207.4 | 11709.1 | 9506.2 | 6383.9 | 2298.5 | 718.1 | 286.9 |
| 70° | 11430.6 | 13195.6 | 13834.8 | 13868.4 | 13011.1 | 11259.5 | 9135.4 | 5800.0 | 1859.0 | 612.4 | 263.4 |
| 72.5° | 9122.0 | 10873.6 | 11435.6 | 11655.4 | 10804.8 | 9016.3 | 7491.2 | 4092.1 | 1077.1 | 427.8 | 213.1 |
| 75° | 5650.7 | 6593.6 | 7060.0 | 7187.5 | 6672.5 | 5615.5 | 4546.7 | 2276.7 | 656.0 | 302.0 | 179.5 |
| 77.5° | 2533.4 | 2806.9 | 3075.3 | 3075.3 | 2874.0 | 2563.6 | 2083.8 | 1100.6 | 372.5 | 214.8 | 151.0 |
| 80° | 848.9 | 880.8 | 857.3 | 865.7 | 832.2 | 800.3 | 837.2 | 474.8 | 229.9 | 161.1 | 122.5 |
| 82.5° | 577.2 | 724.8 | 770.1 | 770.1 | 723.1 | 570.4 | 322.1 | 218.1 | 140.9 | 115.8 | 94.0 |
| 85° | 469.8 | 573.8 | 615.7 | 634.2 | 597.3 | 481.5 | 169.5 | 105.7 | 83.9 | 73.8 | 63.8 |
| 87.5° | 157.7 | 147.6 | 139.3 | 135.9 | 142.6 | 149.3 | 83.9 | 45.3 | 38.6 | 35.2 | 33.6 |
| 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-SA2B-760-U-T1

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 | 570.4 |
| 2.5° | 597.3 | 577.2 | 585.5 | 593.9 | 654.3 | 699.6 |
| 5° | 593.9 | 622.5 | 686.2 | 766.7 | 803.6 | 894.2 |
| 7.5° | 610.7 | 714.7 | 833.8 | 917.7 | 951.3 | 979.8 |
| 10° | 817.1 | 835.5 | 875.8 | 956.3 | 1023.4 | 1035.2 |
| 12.5° | 1055.3 | 1050.3 | 1021.8 | 1058.7 | 1025.1 | 1048.6 |
| 15° | 1241.5 | 1186.2 | 1147.6 | 1142.6 | 1130.8 | 1130.8 |
| 17.5° | 1343.9 | 1295.2 | 1241.5 | 1228.1 | 1192.9 | 1221.4 |
| 20° | 1464.7 | 1380.8 | 1246.6 | 1233.2 | 1221.4 | 1194.6 |
| 22.5° | 1441.2 | 1357.3 | 1218.1 | 1201.3 | 1263.4 | 1260.0 |
| 25° | 1469.7 | 1357.3 | 1224.8 | 1206.3 | 1234.8 | 1234.8 |
| 27.5° | 1399.3 | 1307.0 | 1211.3 | 1100.6 | 1187.9 | 1208.0 |
| 30° | 1380.8 | 1276.8 | 1166.0 | 1067.1 | 1156.0 | 1137.5 |
| 32.5° | 1478.1 | 1201.3 | 1092.2 | 1062.0 | 1127.5 | 1114.0 |
| 35° | 1402.6 | 1187.9 | 1073.8 | 1018.4 | 1095.6 | 1082.2 |
| 37.5° | 1434.5 | 1171.1 | 1041.9 | 994.9 | 1057.0 | 1077.1 |
| 40° | 1427.8 | 1092.2 | 1005.0 | 944.6 | 1006.7 | 1016.7 |
| 42.5° | 1315.4 | 1031.8 | 942.9 | 882.5 | 914.4 | 947.9 |
| 45° | 1281.8 | 994.9 | 882.5 | 798.6 | 800.3 | 838.9 |
| 47.5° | 1219.7 | 911.0 | 771.8 | 694.6 | 694.6 | 726.5 |
| 50° | 1115.7 | 798.6 | 645.9 | 575.5 | 573.8 | 599.0 |
| 52.5° | 961.4 | 689.6 | 545.3 | 468.1 | 463.1 | 488.2 |
| 55° | 786.9 | 555.3 | 429.5 | 379.2 | 369.1 | 379.2 |
| 57.5° | 612.4 | 432.9 | 338.9 | 298.6 | 297.0 | 305.4 |
| 60° | 474.8 | 338.9 | 270.1 | 246.6 | 250.0 | 263.4 |
| 62.5° | 359.0 | 270.1 | 229.9 | 221.5 | 226.5 | 239.9 |
| 65° | 285.2 | 233.2 | 209.7 | 204.7 | 209.7 | 223.1 |
| 67.5° | 231.5 | 211.4 | 194.6 | 187.9 | 191.3 | 204.7 |
| 69° | 213.1 | 199.7 | 186.2 | 177.8 | 181.2 | 191.3 |
| 70° | 203.0 | 192.9 | 179.5 | 171.1 | 174.5 | 184.6 |
| 72.5° | 177.8 | 172.8 | 162.7 | 154.4 | 156.0 | 164.4 |
| 75° | 156.0 | 152.7 | 146.0 | 135.9 | 135.9 | 146.0 |
| 77.5° | 130.9 | 132.5 | 125.8 | 115.8 | 114.1 | 119.1 |
| 80° | 104.0 | 107.4 | 104.0 | 94.0 | 90.6 | 90.6 |
| 82.5° | 75.5 | 82.2 | 78.9 | 68.8 | 67.1 | 67.1 |
| 85° | 47.0 | 52.0 | 50.3 | 43.6 | 43.6 | 38.6 |
| 87.5° | 21.8 | 28.5 | 26.8 | 23.5 | 21.8 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)