

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: P226213

Luminaire Tested: **MLN-B2-D-U-T3-8030-XX**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29662)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MLN-B2-D-U-T3-8030-XX
Description: METROLINE ARCHITECTURAL LED LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7648 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 3.75' x H: 0.17')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U1 - G2

Input Watts (W): 71
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

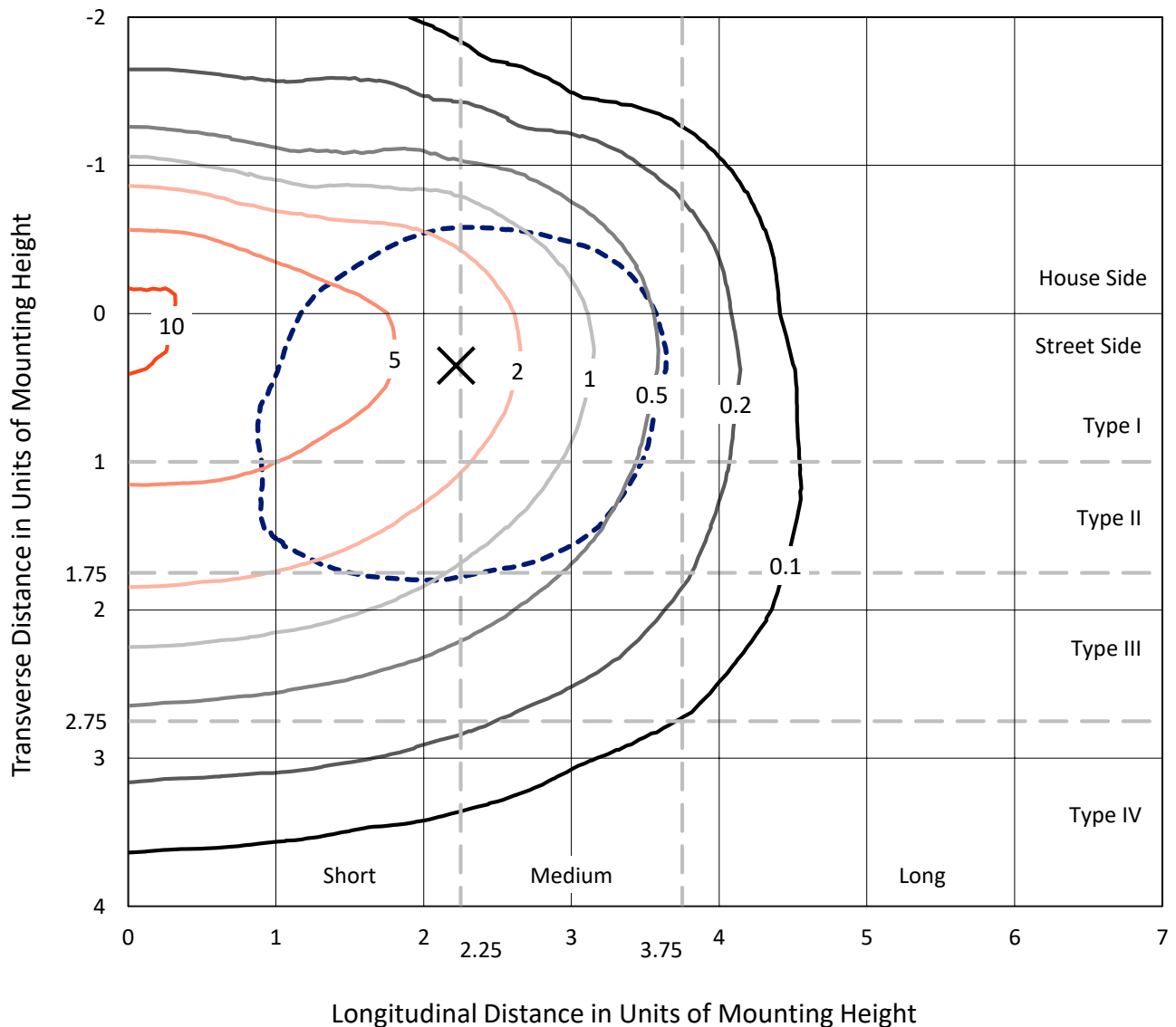


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

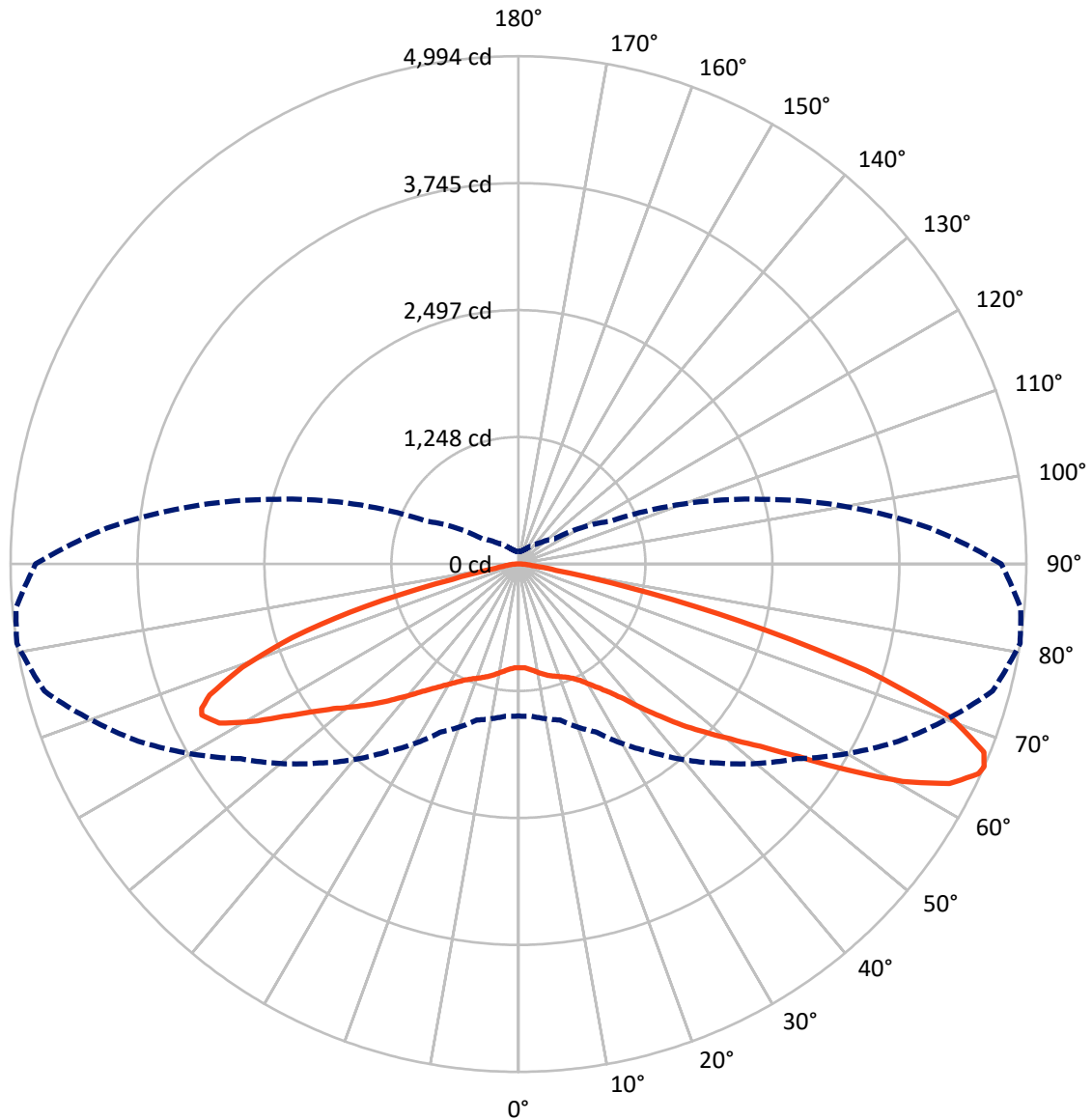


Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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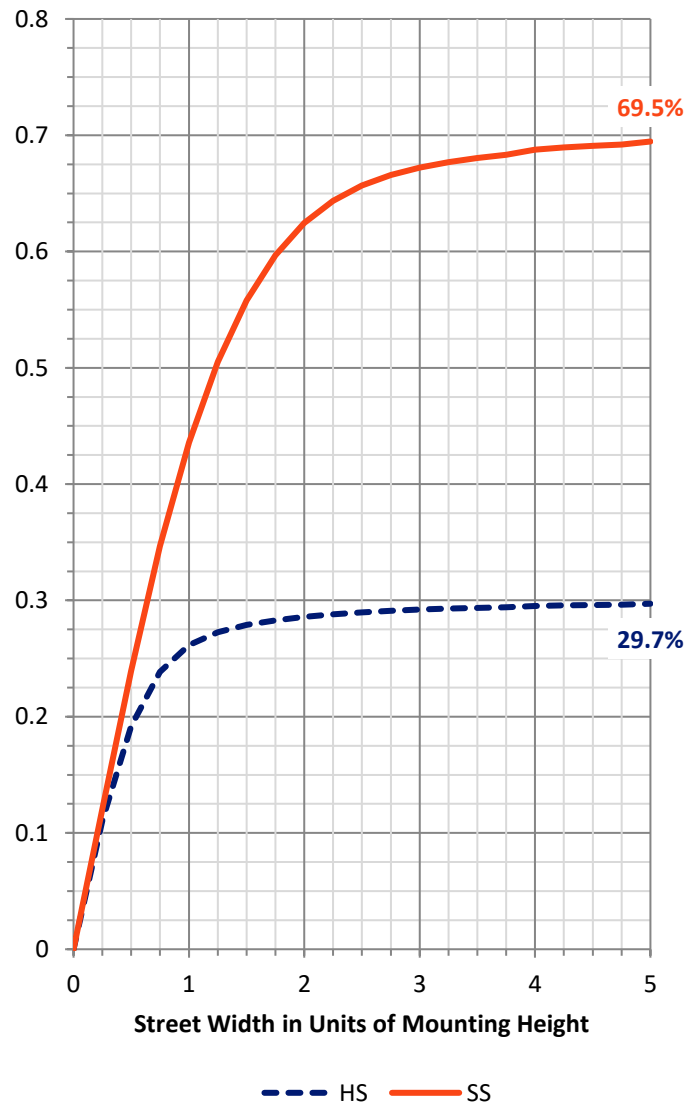
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2300.1 | 2.7 | 2302.8 |
| | % Fixture | 30.1 | 0.0 | 30.1 |
| Street Side | Lumens | 5341.1 | 4.0 | 5345.2 |
| | % Fixture | 69.8 | 0.1 | 69.9 |
| Total | Lumens | 7641.2 | 6.8 | 7648.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 100.3 | 1.3 |
| 10°-20° | 318.0 | 4.2 |
| 20°-30° | 542.8 | 7.1 |
| 30°-40° | 811.7 | 10.6 |
| 40°-50° | 1162.6 | 15.2 |
| 50°-60° | 1593.9 | 20.8 |
| 60°-70° | 1952.0 | 25.5 |
| 70°-80° | 990.5 | 13.0 |
| 80°-90° | 169.6 | 2.2 |
| 90°-100° | 6.7 | 0.1 |
| 100°-110° | 0.1 | 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° | 7641.2 | 99.9 |
| 0°-180° | 7648.0 | 100.0 |

Coefficient of Utilization



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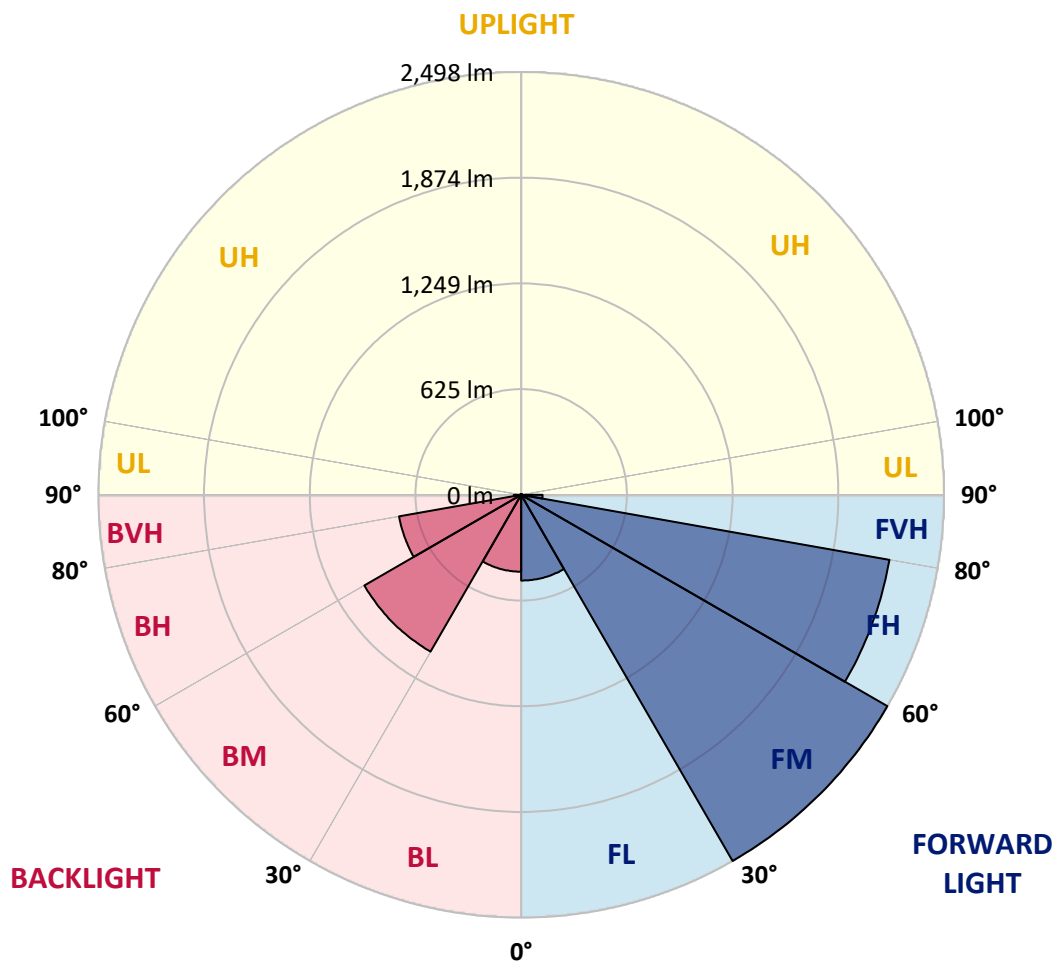
CATALOG NUMBER: MLN-B2-D-U-T3-8030-XX

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 506.6 | 6.6 | | | |
| FM | (30°-60°) | 2498.3 | 32.7 | | | |
| FH | (60°-80°) | 2209.7 | 28.9 | | | G2/5000 |
| FVH | (80°-90°) | 126.4 | 1.7 | | | G2/225 |
| BL | (0°-30°) | 454.4 | 5.9 | B1/500 | | |
| BM | (30°-60°) | 1069.8 | 14.0 | B2/2500 | | |
| BH | (60°-80°) | 732.7 | 9.6 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 43.2 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 6.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 2.7 | 0.0 | | U1/10 | |

BUG Rating: B2-U1-G2

Type III Short





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CATALOG NUMBER: MLN-B2-D-U-T3-8030-XX

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 81° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 |
| 2.5° | 1038.4 | 1035.3 | 1025.8 | 1023.9 | 1020.1 | 1027.7 | 1028.3 | 1028.3 | 1022.6 | 1020.1 | 1018.2 |
| 5° | 1048.6 | 1045.4 | 1035.9 | 1035.3 | 1030.2 | 1039.1 | 1039.7 | 1038.4 | 1035.9 | 1035.9 | 1035.9 |
| 7.5° | 1077.0 | 1073.3 | 1063.1 | 1057.4 | 1049.8 | 1056.2 | 1056.8 | 1056.8 | 1056.2 | 1057.4 | 1058.1 |
| 10° | 1120.7 | 1112.5 | 1101.1 | 1091.0 | 1077.7 | 1080.8 | 1079.6 | 1082.1 | 1081.5 | 1085.3 | 1084.0 |
| 12.5° | 1159.3 | 1153.6 | 1139.7 | 1128.3 | 1111.2 | 1110.6 | 1104.9 | 1104.9 | 1108.1 | 1113.1 | 1113.1 |
| 15° | 1192.9 | 1189.1 | 1175.1 | 1165.0 | 1147.9 | 1140.3 | 1129.6 | 1129.6 | 1134.0 | 1138.4 | 1137.8 |
| 17.5° | 1221.3 | 1220.7 | 1204.9 | 1197.9 | 1180.2 | 1172.0 | 1153.6 | 1151.7 | 1156.8 | 1159.3 | 1159.3 |
| 20° | 1248.5 | 1246.6 | 1232.1 | 1223.9 | 1209.9 | 1206.1 | 1175.8 | 1170.7 | 1178.3 | 1182.7 | 1182.1 |
| 22.5° | 1266.9 | 1263.1 | 1249.8 | 1242.8 | 1235.9 | 1237.1 | 1203.0 | 1191.6 | 1203.0 | 1209.3 | 1208.0 |
| 25° | 1281.4 | 1278.9 | 1261.8 | 1259.3 | 1259.9 | 1272.0 | 1237.1 | 1227.7 | 1240.3 | 1245.4 | 1244.1 |
| 27.5° | 1299.2 | 1296.0 | 1280.2 | 1275.1 | 1289.0 | 1314.4 | 1290.3 | 1277.0 | 1290.9 | 1297.9 | 1298.5 |
| 30° | 1337.8 | 1335.2 | 1314.4 | 1306.8 | 1331.4 | 1378.9 | 1361.8 | 1348.5 | 1350.4 | 1370.0 | 1372.6 |
| 32.5° | 1427.0 | 1423.2 | 1401.0 | 1387.1 | 1414.3 | 1475.1 | 1465.6 | 1447.9 | 1434.0 | 1452.9 | 1458.0 |
| 35° | 1519.4 | 1515.6 | 1502.3 | 1495.3 | 1537.1 | 1614.9 | 1606.1 | 1582.0 | 1538.4 | 1551.7 | 1554.8 |
| 37.5° | 1574.4 | 1578.9 | 1582.7 | 1602.9 | 1672.5 | 1775.7 | 1779.5 | 1747.8 | 1677.6 | 1680.8 | 1676.3 |
| 40° | 1622.5 | 1627.6 | 1646.6 | 1701.6 | 1810.5 | 1931.3 | 1982.0 | 1937.7 | 1864.3 | 1857.3 | 1839.6 |
| 42.5° | 1661.8 | 1672.5 | 1706.7 | 1795.3 | 1936.4 | 2078.8 | 2166.8 | 2126.3 | 2070.6 | 2047.2 | 2023.7 |
| 45° | 1708.6 | 1716.2 | 1764.9 | 1884.5 | 2047.2 | 2217.4 | 2331.3 | 2310.4 | 2278.1 | 2260.4 | 2206.6 |
| 47.5° | 1745.3 | 1758.6 | 1811.1 | 1954.1 | 2145.2 | 2343.9 | 2488.2 | 2503.4 | 2504.7 | 2468.0 | 2407.9 |
| 50° | 1794.0 | 1810.5 | 1856.7 | 2014.9 | 2211.7 | 2443.9 | 2635.0 | 2697.7 | 2740.1 | 2703.4 | 2612.9 |
| 52.5° | 1847.2 | 1868.1 | 1916.8 | 2095.2 | 2276.9 | 2521.1 | 2766.7 | 2896.4 | 2998.9 | 2976.8 | 2879.9 |
| 55° | 1916.8 | 1935.1 | 1990.2 | 2192.1 | 2368.6 | 2612.3 | 2910.9 | 3138.8 | 3351.4 | 3341.9 | 3247.0 |
| 57.5° | 1990.2 | 2000.3 | 2062.3 | 2281.9 | 2495.2 | 2765.4 | 3085.0 | 3471.0 | 3811.4 | 3821.6 | 3719.7 |
| 60° | 1935.1 | 1944.0 | 2016.8 | 2275.6 | 2561.0 | 2912.8 | 3269.7 | 3852.6 | 4315.2 | 4339.8 | 4253.1 |
| 62.5° | 1780.1 | 1788.3 | 1873.1 | 2155.4 | 2507.2 | 2941.3 | 3393.8 | 4109.5 | 4685.3 | 4754.3 | 4649.3 |
| 65° | 1582.7 | 1591.5 | 1678.9 | 1927.5 | 2350.3 | 2843.2 | 3388.7 | 4170.2 | 4834.1 | 4972.0 | 4915.1 |
| 66° | 1494.1 | 1502.3 | 1587.7 | 1824.4 | 2251.5 | 2767.3 | 3336.2 | 4122.1 | 4826.5 | 4993.5 | 4958.1 |
| 67.5° | 1358.0 | 1337.1 | 1413.7 | 1663.7 | 2078.2 | 2613.5 | 3191.9 | 4008.2 | 4731.5 | 4935.9 | 4923.3 |
| 70° | 1039.1 | 1021.4 | 1103.0 | 1322.6 | 1710.5 | 2249.7 | 2836.9 | 3622.2 | 4323.4 | 4502.5 | 4527.8 |
| 72.5° | 715.1 | 702.4 | 777.7 | 965.0 | 1282.1 | 1757.3 | 2302.2 | 2983.1 | 3496.9 | 3572.9 | 3669.1 |
| 75° | 504.4 | 496.8 | 541.7 | 643.6 | 860.0 | 1210.6 | 1697.2 | 2122.5 | 2288.9 | 2258.5 | 2354.1 |
| 77.5° | 294.9 | 301.9 | 362.6 | 445.5 | 596.1 | 762.5 | 1154.9 | 1306.1 | 1216.3 | 1083.4 | 1023.3 |
| 80° | 146.2 | 147.4 | 201.2 | 266.4 | 424.6 | 575.9 | 751.1 | 846.7 | 766.3 | 375.3 | 277.2 |
| 82.5° | 67.7 | 74.0 | 99.4 | 122.8 | 189.2 | 416.4 | 635.3 | 809.4 | 687.9 | 153.8 | 122.8 |
| 85° | 29.1 | 38.6 | 63.9 | 75.9 | 79.7 | 166.4 | 518.9 | 729.6 | 437.9 | 93.0 | 74.7 |
| 87.5° | 8.9 | 20.9 | 43.7 | 53.2 | 48.1 | 60.8 | 194.3 | 332.9 | 158.8 | 46.2 | 41.8 |
| 90° | 0.0 | 12.7 | 27.2 | 30.4 | 26.6 | 24.7 | 56.3 | 102.5 | 41.1 | 16.5 | 15.2 |
| 92.5° | 0.0 | 5.7 | 15.2 | 14.6 | 10.8 | 7.0 | 8.2 | 8.2 | 2.5 | 1.9 | 1.9 |
| 95° | 0.0 | 1.3 | 5.7 | 3.8 | 2.5 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 97.5° | 0.0 | 0.0 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 100° | 0.0 | 0.0 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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: MLN-B2-D-U-T3-8030-XX

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 81° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226213

CATALOG NUMBER: MLN-B2-D-U-T3-8030-XX

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.4 |
| 2.5° | 1021.4 | 1020.1 | 1022.6 | 1025.8 | 1027.1 | 1028.3 | 1018.2 | 1018.2 | 1021.4 | 1033.4 | 1034.0 |
| 5° | 1038.4 | 1035.9 | 1034.6 | 1035.9 | 1037.8 | 1039.7 | 1029.0 | 1028.3 | 1031.5 | 1042.9 | 1044.8 |
| 7.5° | 1059.3 | 1057.4 | 1055.5 | 1053.6 | 1053.6 | 1054.9 | 1042.2 | 1040.3 | 1044.1 | 1055.5 | 1056.8 |
| 10° | 1085.9 | 1083.4 | 1079.6 | 1077.0 | 1075.8 | 1073.9 | 1054.3 | 1047.3 | 1047.9 | 1058.7 | 1060.6 |
| 12.5° | 1111.2 | 1110.6 | 1108.1 | 1108.7 | 1104.9 | 1095.4 | 1063.1 | 1046.0 | 1039.7 | 1047.3 | 1049.8 |
| 15° | 1135.9 | 1135.9 | 1140.3 | 1144.8 | 1135.3 | 1112.5 | 1068.2 | 1037.8 | 1021.4 | 1027.1 | 1028.3 |
| 17.5° | 1158.0 | 1160.6 | 1170.1 | 1175.8 | 1159.9 | 1128.3 | 1067.6 | 1022.0 | 994.8 | 995.4 | 995.4 |
| 20° | 1183.4 | 1185.9 | 1198.5 | 1200.4 | 1178.3 | 1137.2 | 1058.7 | 995.4 | 960.6 | 956.8 | 953.6 |
| 22.5° | 1208.0 | 1212.5 | 1224.5 | 1221.3 | 1189.7 | 1136.5 | 1040.3 | 965.7 | 923.3 | 916.3 | 913.1 |
| 25° | 1240.9 | 1248.5 | 1256.1 | 1241.6 | 1196.6 | 1125.1 | 1012.5 | 932.1 | 879.6 | 867.0 | 863.2 |
| 27.5° | 1290.9 | 1298.5 | 1294.7 | 1261.8 | 1197.9 | 1101.1 | 984.0 | 891.0 | 824.6 | 805.6 | 803.7 |
| 30° | 1361.8 | 1362.4 | 1337.8 | 1281.4 | 1192.9 | 1077.0 | 942.9 | 835.9 | 760.6 | 739.8 | 738.5 |
| 32.5° | 1446.0 | 1432.7 | 1384.0 | 1296.0 | 1179.6 | 1039.7 | 884.0 | 769.5 | 696.7 | 675.8 | 672.0 |
| 35° | 1537.7 | 1518.8 | 1434.0 | 1311.8 | 1154.9 | 981.5 | 813.2 | 701.8 | 634.7 | 615.1 | 611.9 |
| 37.5° | 1648.5 | 1618.7 | 1490.3 | 1322.6 | 1113.8 | 906.8 | 739.1 | 634.7 | 568.9 | 549.3 | 544.9 |
| 40° | 1790.9 | 1745.3 | 1554.8 | 1323.2 | 1051.1 | 818.2 | 663.8 | 563.2 | 499.9 | 479.7 | 477.8 |
| 42.5° | 1961.7 | 1883.3 | 1620.0 | 1311.8 | 978.3 | 742.9 | 589.8 | 487.3 | 427.1 | 404.4 | 405.0 |
| 45° | 2142.7 | 2044.0 | 1690.2 | 1289.7 | 910.0 | 657.5 | 502.5 | 410.1 | 356.3 | 339.2 | 338.6 |
| 47.5° | 2328.1 | 2207.9 | 1764.9 | 1265.0 | 834.0 | 575.9 | 424.6 | 337.9 | 296.2 | 287.3 | 282.2 |
| 50° | 2521.1 | 2382.5 | 1839.0 | 1239.7 | 749.3 | 495.5 | 349.9 | 279.1 | 244.9 | 236.0 | 232.9 |
| 52.5° | 2762.9 | 2573.0 | 1910.5 | 1218.8 | 667.0 | 417.0 | 288.6 | 233.5 | 202.5 | 193.0 | 190.5 |
| 55° | 3109.0 | 2842.0 | 1997.2 | 1192.2 | 596.1 | 348.0 | 245.5 | 196.8 | 172.1 | 163.3 | 160.7 |
| 57.5° | 3559.6 | 3175.5 | 2111.7 | 1156.1 | 532.2 | 302.5 | 213.3 | 173.4 | 156.9 | 148.1 | 146.2 |
| 60° | 4063.3 | 3566.5 | 2282.6 | 1120.7 | 480.3 | 278.4 | 196.2 | 164.5 | 148.7 | 139.9 | 138.6 |
| 62.5° | 4510.7 | 3903.2 | 2473.0 | 1088.4 | 453.1 | 273.4 | 195.5 | 161.4 | 141.8 | 132.3 | 131.0 |
| 65° | 4736.6 | 4075.3 | 2511.0 | 1035.9 | 439.8 | 286.7 | 208.2 | 160.7 | 136.1 | 125.3 | 124.0 |
| 66° | 4747.4 | 4061.4 | 2461.0 | 997.3 | 429.7 | 291.1 | 213.3 | 160.1 | 133.5 | 122.8 | 121.5 |
| 67.5° | 4658.8 | 3947.5 | 2322.4 | 900.5 | 403.7 | 289.2 | 218.3 | 158.8 | 129.7 | 118.3 | 117.7 |
| 70° | 4218.3 | 3521.6 | 1957.3 | 699.9 | 341.7 | 262.6 | 208.2 | 152.5 | 122.8 | 111.4 | 109.5 |
| 72.5° | 3385.6 | 2885.0 | 1515.0 | 501.2 | 281.6 | 228.4 | 189.8 | 143.6 | 116.4 | 104.4 | 102.5 |
| 75° | 2175.6 | 1919.3 | 1033.4 | 360.1 | 238.6 | 200.0 | 167.1 | 136.7 | 109.5 | 96.8 | 95.6 |
| 77.5° | 765.1 | 747.4 | 542.3 | 277.8 | 206.9 | 172.8 | 144.3 | 122.8 | 99.4 | 79.1 | 75.3 |
| 80° | 198.7 | 208.8 | 250.6 | 238.6 | 174.7 | 144.3 | 119.6 | 104.4 | 85.4 | 62.6 | 61.4 |
| 82.5° | 107.6 | 115.2 | 155.0 | 189.2 | 140.5 | 114.5 | 94.9 | 79.7 | 67.7 | 50.6 | 46.8 |
| 85° | 68.3 | 72.1 | 100.6 | 115.2 | 91.8 | 84.8 | 70.2 | 57.6 | 50.0 | 32.3 | 29.1 |
| 87.5° | 43.0 | 50.0 | 63.9 | 62.0 | 47.5 | 36.1 | 46.8 | 38.6 | 34.8 | 19.6 | 14.6 |
| 90° | 12.7 | 17.1 | 25.3 | 25.9 | 19.6 | 14.6 | 22.8 | 22.8 | 22.1 | 10.8 | 0.0 |
| 92.5° | 1.3 | 1.3 | 1.9 | 4.4 | 5.1 | 5.7 | 9.5 | 12.0 | 12.0 | 2.5 | 0.0 |
| 95° | 0.6 | 0.6 | 0.6 | 1.3 | 1.9 | 2.5 | 3.2 | 5.1 | 5.1 | 0.6 | 0.0 |
| 97.5° | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 1.3 | 0.6 | 0.0 | 0.0 |
| 100° | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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)