

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: P162399

Luminaire Tested: **MEM-E02-LED-E-U-SL2-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162399
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM-E02-LED-E-U-SL2-HSS-7060
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577.6 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 52.1
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

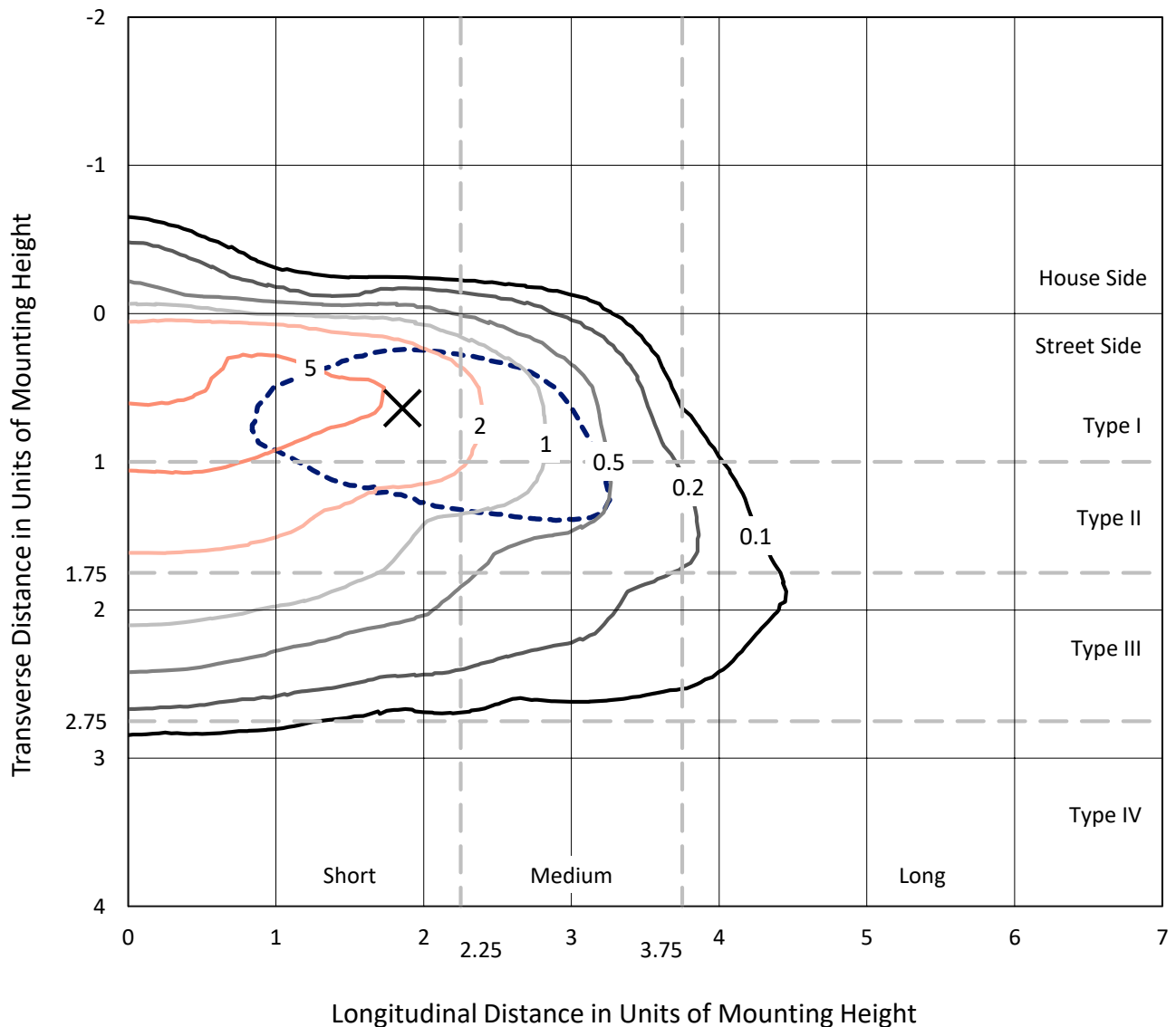


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

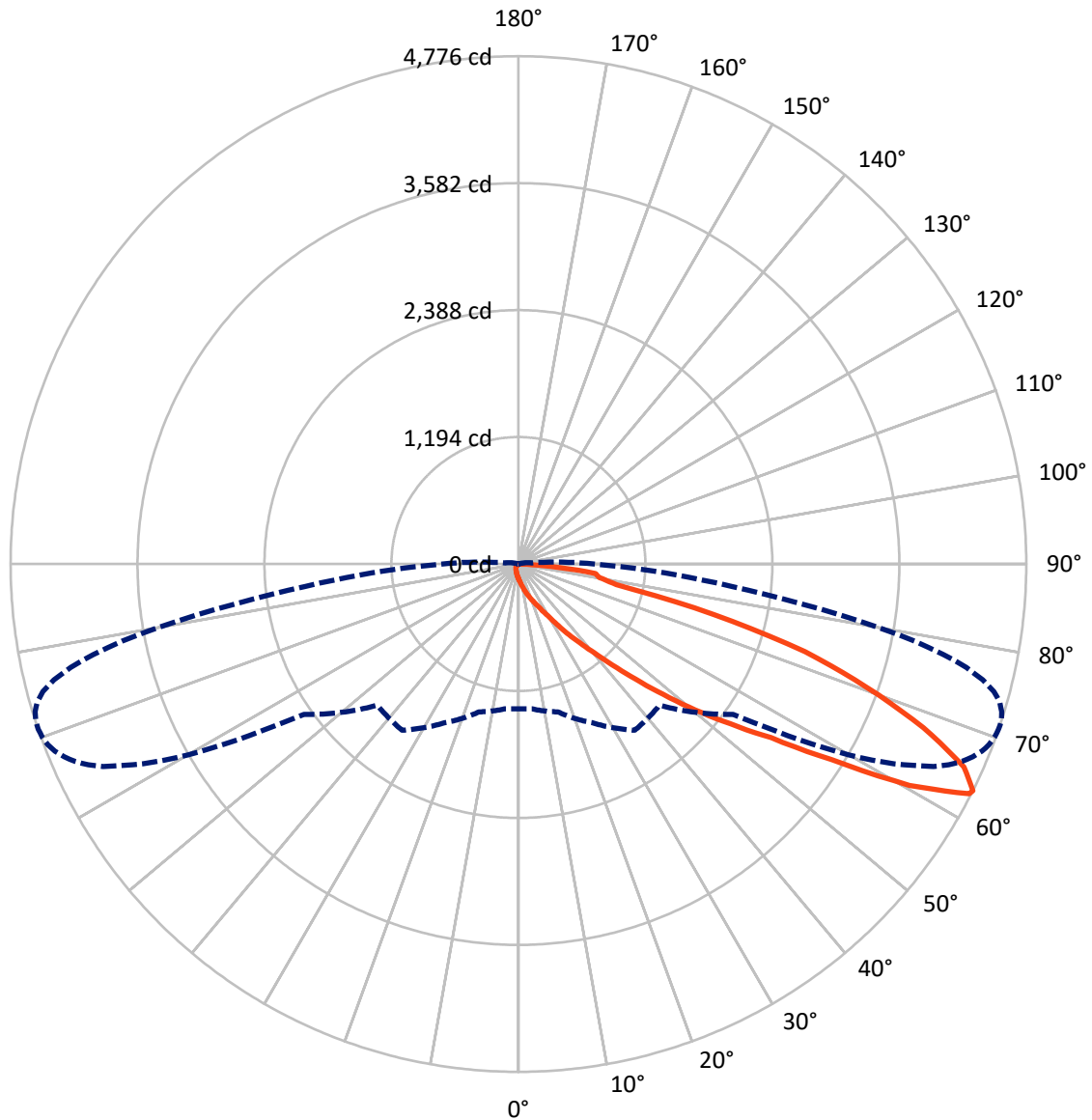


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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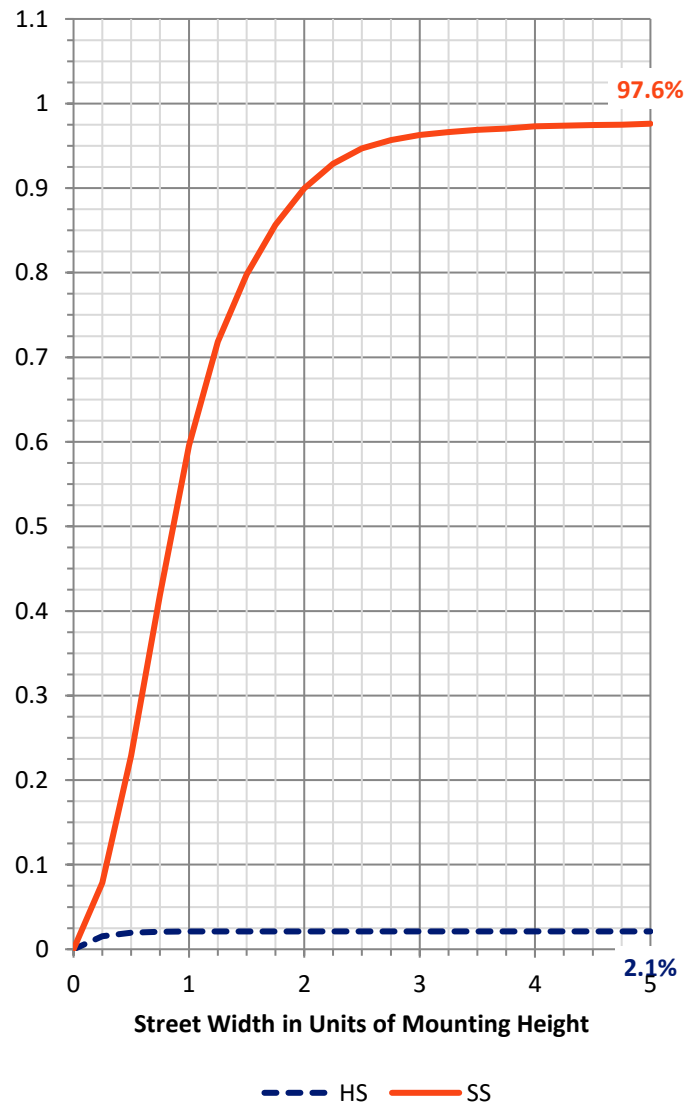
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 76.0 | 0.0 | 76.0 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 3501.6 | 0.0 | 3501.6 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 3577.6 | 0.0 | 3577.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.2 | 0.4 |
| 10°-20° | 58.8 | 1.6 |
| 20°-30° | 119.5 | 3.3 |
| 30°-40° | 291.9 | 8.2 |
| 40°-50° | 652.9 | 18.2 |
| 50°-60° | 918.0 | 25.7 |
| 60°-70° | 1079.5 | 30.2 |
| 70°-80° | 389.8 | 10.9 |
| 80°-90° | 52.1 | 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° | 3577.6 | 100.0 |
| 0°-180° | 3577.6 | 100.0 |



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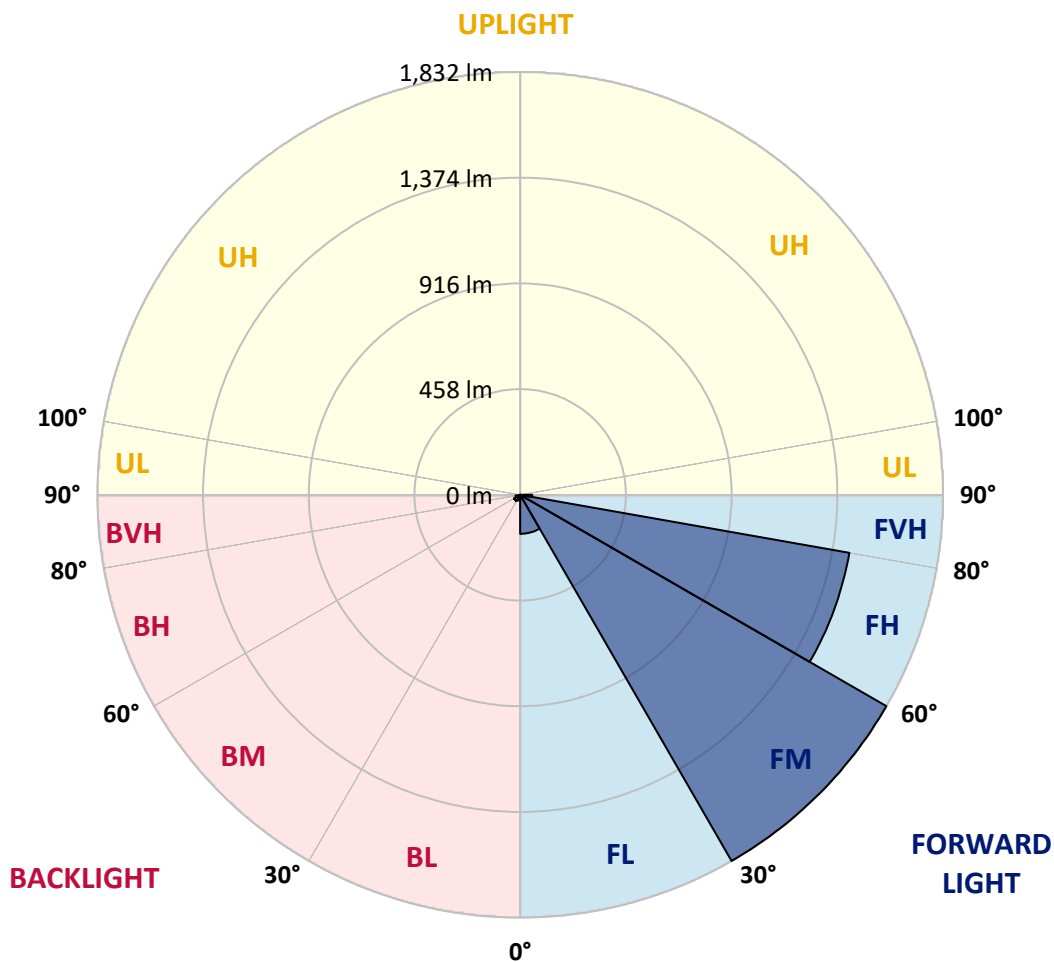
CATALOG NUMBER: MEM-E02-LED-E-U-SL2-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 169.1 | 4.7 | | | |
| FM | (30°-60°) | 1832.1 | 51.2 | | | |
| FH | (60°-80°) | 1448.4 | 40.5 | | | G1/1800 |
| FVH | (80°-90°) | 52.0 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 24.4 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 30.6 | 0.9 | B0/220 | | |
| BH | (60°-80°) | 20.8 | 0.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 |
| 2.5° | 179.5 | 181.5 | 180.2 | 176.9 | 173.0 | 167.8 | 163.2 | 163.2 | 162.6 | 160.6 | 161.3 |
| 5° | 235.5 | 236.1 | 233.5 | 225.7 | 218.6 | 207.5 | 195.1 | 193.8 | 192.5 | 190.6 | 189.9 |
| 7.5° | 290.0 | 292.6 | 290.0 | 281.6 | 267.3 | 250.4 | 230.9 | 229.0 | 225.1 | 225.1 | 222.5 |
| 10° | 346.0 | 346.0 | 343.4 | 333.6 | 320.6 | 296.5 | 271.8 | 268.6 | 264.1 | 262.8 | 258.9 |
| 12.5° | 385.7 | 385.7 | 384.4 | 379.2 | 368.8 | 347.3 | 317.4 | 314.1 | 308.3 | 306.3 | 301.8 |
| 15° | 401.3 | 401.3 | 402.0 | 406.5 | 407.2 | 397.4 | 366.2 | 363.6 | 357.7 | 352.5 | 350.6 |
| 17.5° | 411.1 | 410.4 | 410.4 | 416.9 | 428.6 | 435.1 | 415.0 | 412.4 | 405.9 | 403.3 | 396.8 |
| 20° | 432.5 | 431.2 | 427.3 | 427.3 | 438.4 | 461.1 | 461.1 | 460.4 | 453.3 | 451.3 | 448.1 |
| 22.5° | 464.3 | 463.0 | 451.3 | 441.6 | 446.8 | 475.4 | 502.1 | 500.8 | 498.2 | 495.6 | 493.6 |
| 25° | 516.4 | 511.8 | 491.7 | 463.0 | 458.5 | 489.1 | 533.3 | 536.6 | 538.5 | 538.5 | 539.8 |
| 27.5° | 595.1 | 589.3 | 553.5 | 500.1 | 480.0 | 511.2 | 567.8 | 574.3 | 580.2 | 581.5 | 587.3 |
| 30° | 704.4 | 694.0 | 642.6 | 564.6 | 518.4 | 543.7 | 618.5 | 625.7 | 634.1 | 636.7 | 645.8 |
| 32.5° | 883.9 | 878.0 | 828.6 | 711.5 | 612.7 | 607.5 | 689.4 | 698.5 | 709.6 | 714.1 | 725.2 |
| 35° | 1157.0 | 1158.3 | 1118.0 | 1012.6 | 876.1 | 804.5 | 816.2 | 824.0 | 827.9 | 841.6 | 847.4 |
| 37.5° | 1342.4 | 1345.6 | 1354.7 | 1313.1 | 1215.6 | 1142.7 | 1051.0 | 1059.5 | 1039.3 | 1041.3 | 1041.9 |
| 40° | 1443.9 | 1454.3 | 1507.6 | 1547.9 | 1540.1 | 1497.8 | 1424.4 | 1428.9 | 1391.2 | 1382.7 | 1341.7 |
| 42.5° | 1511.5 | 1525.1 | 1610.4 | 1735.2 | 1799.0 | 1837.3 | 1820.4 | 1818.5 | 1789.2 | 1778.2 | 1743.7 |
| 45° | 1553.8 | 1566.1 | 1673.4 | 1857.5 | 2004.5 | 2116.4 | 2162.6 | 2167.8 | 2143.1 | 2132.0 | 2103.4 |
| 47.5° | 1551.8 | 1566.1 | 1681.2 | 1903.0 | 2119.6 | 2298.5 | 2428.5 | 2435.0 | 2450.0 | 2440.3 | 2442.2 |
| 50° | 1466.0 | 1479.6 | 1595.4 | 1825.6 | 2085.8 | 2381.7 | 2619.8 | 2640.6 | 2664.7 | 2680.9 | 2688.7 |
| 52.5° | 1361.9 | 1371.7 | 1474.4 | 1692.9 | 1941.4 | 2347.3 | 2732.9 | 2768.7 | 2804.5 | 2835.1 | 2856.5 |
| 55° | 1323.5 | 1334.6 | 1415.3 | 1596.7 | 1825.6 | 2202.8 | 2785.6 | 2838.3 | 2889.0 | 2939.1 | 2980.1 |
| 57.5° | 1343.7 | 1354.1 | 1412.0 | 1551.2 | 1756.7 | 2050.6 | 2800.6 | 2882.5 | 2965.8 | 3047.1 | 3127.7 |
| 60° | 1417.9 | 1428.9 | 1478.3 | 1593.5 | 1738.5 | 1962.9 | 2742.0 | 2878.0 | 3016.5 | 3158.3 | 3291.6 |
| 62.5° | 1388.6 | 1393.1 | 1466.0 | 1667.6 | 1868.5 | 1888.1 | 2529.3 | 2719.2 | 2930.6 | 3149.2 | 3364.5 |
| 63° | 1360.6 | 1365.8 | 1440.0 | 1647.4 | 1908.2 | 1877.0 | 2463.7 | 2664.0 | 2887.1 | 3122.5 | 3356.7 |
| 65° | 1233.8 | 1234.4 | 1291.0 | 1454.9 | 1864.0 | 1896.5 | 2171.0 | 2362.2 | 2618.5 | 2900.7 | 3196.7 |
| 67.5° | 921.0 | 916.4 | 971.0 | 1095.9 | 1463.4 | 1897.2 | 1863.3 | 1970.7 | 2148.9 | 2399.3 | 2664.7 |
| 70° | 326.5 | 319.3 | 407.8 | 580.8 | 911.9 | 1551.8 | 1601.3 | 1608.4 | 1657.8 | 1793.1 | 1959.6 |
| 72.5° | 106.0 | 107.9 | 130.1 | 212.7 | 420.2 | 1044.5 | 1449.7 | 1427.6 | 1414.6 | 1414.0 | 1436.1 |
| 75° | 42.3 | 43.0 | 52.1 | 94.3 | 188.6 | 503.4 | 1269.6 | 1281.9 | 1286.5 | 1293.0 | 1300.1 |
| 77.5° | 20.2 | 22.1 | 29.3 | 52.7 | 93.6 | 249.1 | 908.6 | 1013.3 | 1073.2 | 1119.3 | 1147.3 |
| 80° | 7.2 | 8.5 | 16.3 | 32.5 | 43.6 | 114.4 | 478.7 | 577.6 | 665.3 | 778.5 | 876.1 |
| 82.5° | 0.0 | 0.0 | 3.3 | 22.8 | 24.1 | 46.2 | 196.4 | 230.3 | 263.4 | 341.4 | 438.4 |
| 85° | 0.0 | 0.0 | 0.0 | 6.5 | 7.2 | 7.8 | 66.4 | 80.0 | 89.8 | 104.7 | 120.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 2.0 | 3.9 | 9.8 | 15.0 |
| 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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CATALOG NUMBER: MEM-E02-LED-E-U-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 |
| 2.5° | 160.0 | 159.3 | 159.3 | 158.0 | 157.4 | 156.1 | 155.4 | 153.5 | 152.8 | 152.8 | 152.8 |
| 5° | 189.3 | 186.7 | 185.4 | 182.1 | 180.2 | 179.5 | 176.3 | 175.0 | 173.0 | 173.7 | 170.4 |
| 7.5° | 221.8 | 217.3 | 215.3 | 210.7 | 209.4 | 204.9 | 203.6 | 200.3 | 198.4 | 194.5 | 193.2 |
| 10° | 257.6 | 251.7 | 248.5 | 241.3 | 239.4 | 236.1 | 232.2 | 228.3 | 225.1 | 221.2 | 219.2 |
| 12.5° | 298.5 | 293.3 | 290.7 | 280.9 | 276.4 | 271.8 | 266.7 | 261.5 | 256.3 | 253.0 | 248.5 |
| 15° | 346.7 | 338.2 | 335.6 | 326.5 | 318.7 | 312.8 | 305.7 | 299.1 | 295.2 | 288.7 | 284.2 |
| 17.5° | 394.2 | 385.7 | 383.7 | 370.1 | 361.6 | 357.7 | 349.9 | 341.4 | 334.3 | 327.8 | 320.6 |
| 20° | 441.6 | 435.8 | 430.6 | 417.6 | 408.5 | 402.0 | 391.6 | 383.1 | 377.2 | 368.1 | 359.0 |
| 22.5° | 489.1 | 483.2 | 479.3 | 465.6 | 457.2 | 448.1 | 439.0 | 429.9 | 421.5 | 410.4 | 400.0 |
| 25° | 537.9 | 534.0 | 532.0 | 519.7 | 511.8 | 503.4 | 494.3 | 483.9 | 473.5 | 461.1 | 450.0 |
| 27.5° | 588.6 | 589.9 | 586.0 | 583.4 | 575.0 | 569.1 | 554.8 | 547.6 | 539.8 | 524.9 | 511.2 |
| 30° | 653.0 | 656.9 | 655.6 | 657.5 | 652.3 | 648.4 | 637.3 | 628.3 | 619.2 | 604.9 | 589.3 |
| 32.5° | 734.3 | 739.5 | 742.1 | 749.3 | 746.7 | 745.4 | 742.1 | 729.1 | 722.6 | 697.9 | 691.4 |
| 35° | 859.8 | 857.2 | 868.3 | 874.1 | 871.5 | 870.2 | 866.3 | 859.2 | 851.3 | 833.8 | 817.5 |
| 37.5° | 1023.0 | 1025.6 | 1029.6 | 1017.8 | 1010.0 | 1009.4 | 997.7 | 990.5 | 979.5 | 960.0 | 940.5 |
| 40° | 1322.2 | 1306.0 | 1287.8 | 1238.3 | 1216.9 | 1204.5 | 1170.0 | 1160.3 | 1141.4 | 1114.8 | 1094.6 |
| 42.5° | 1711.1 | 1694.9 | 1640.3 | 1557.7 | 1513.4 | 1452.3 | 1424.4 | 1389.9 | 1363.2 | 1319.6 | 1296.2 |
| 45° | 2097.5 | 2050.6 | 2044.1 | 1947.9 | 1893.3 | 1812.6 | 1762.6 | 1704.6 | 1644.2 | 1587.0 | 1545.3 |
| 47.5° | 2423.3 | 2412.9 | 2381.0 | 2322.6 | 2271.8 | 2204.1 | 2139.8 | 2050.6 | 1988.3 | 1906.9 | 1832.1 |
| 50° | 2684.2 | 2683.5 | 2671.8 | 2638.0 | 2595.7 | 2541.0 | 2484.5 | 2409.0 | 2338.2 | 2238.6 | 2158.7 |
| 52.5° | 2879.3 | 2889.6 | 2893.5 | 2883.2 | 2866.9 | 2818.8 | 2790.2 | 2727.0 | 2667.3 | 2582.7 | 2496.2 |
| 55° | 3022.4 | 3060.7 | 3080.2 | 3102.3 | 3097.8 | 3080.9 | 3079.5 | 3038.6 | 3011.3 | 2944.3 | 2883.2 |
| 57.5° | 3199.3 | 3262.3 | 3322.8 | 3430.1 | 3434.0 | 3471.8 | 3491.3 | 3510.8 | 3516.0 | 3489.3 | 3469.2 |
| 60° | 3424.3 | 3553.1 | 3667.5 | 3891.9 | 3950.4 | 4042.8 | 4102.6 | 4167.7 | 4223.0 | 4227.5 | 4226.2 |
| 62.5° | 3583.0 | 3781.3 | 3966.0 | 4299.0 | 4412.9 | 4519.5 | 4599.6 | 4662.6 | 4701.0 | 4740.0 | 4758.3 |
| 63° | 3587.5 | 3804.7 | 4001.2 | 4344.6 | 4464.2 | 4565.7 | 4641.8 | 4700.3 | 4740.7 | 4764.1 | 4775.8 |
| 65° | 3477.6 | 3741.0 | 3975.1 | 4317.2 | 4429.8 | 4531.9 | 4571.6 | 4609.9 | 4629.4 | 4638.5 | 4604.1 |
| 67.5° | 2947.5 | 3205.1 | 3478.3 | 3860.7 | 3956.9 | 4079.2 | 4111.7 | 4131.2 | 4140.3 | 4138.4 | 4109.1 |
| 70° | 2204.1 | 2420.1 | 2723.8 | 3160.9 | 3288.3 | 3408.0 | 3482.2 | 3514.1 | 3524.5 | 3521.2 | 3477.6 |
| 72.5° | 1538.8 | 1665.6 | 1916.0 | 2402.5 | 2576.2 | 2729.6 | 2821.4 | 2868.9 | 2878.6 | 2859.1 | 2818.8 |
| 75° | 1292.3 | 1298.8 | 1355.4 | 1621.4 | 1784.0 | 1947.9 | 2051.3 | 2081.2 | 2061.7 | 2002.5 | 1899.8 |
| 77.5° | 1153.8 | 1168.1 | 1168.1 | 1207.8 | 1239.6 | 1285.2 | 1294.9 | 1222.1 | 1137.5 | 1028.3 | 939.8 |
| 80° | 967.8 | 1017.8 | 1053.0 | 1082.3 | 1085.5 | 1076.4 | 1052.3 | 1011.3 | 946.3 | 863.1 | 770.7 |
| 82.5° | 588.0 | 686.8 | 727.1 | 878.0 | 952.2 | 1002.2 | 998.3 | 943.7 | 894.3 | 807.8 | 729.1 |
| 85° | 148.3 | 160.0 | 173.7 | 225.7 | 253.0 | 308.9 | 344.1 | 360.3 | 366.2 | 336.2 | 304.4 |
| 87.5° | 14.3 | 9.8 | 16.3 | 12.4 | 17.6 | 13.0 | 17.6 | 16.3 | 20.2 | 21.5 | 23.4 |
| 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: MEM-E02-LED-E-U-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 |
| 2.5° | 151.5 | 150.9 | 150.2 | 149.6 | 148.9 | 148.3 | 147.0 | 147.0 | 145.7 | 145.0 | 144.4 |
| 5° | 168.4 | 167.1 | 166.5 | 165.2 | 163.2 | 161.9 | 160.0 | 157.4 | 155.4 | 154.8 | 153.5 |
| 7.5° | 189.9 | 186.7 | 185.4 | 183.4 | 180.8 | 176.9 | 174.3 | 172.4 | 169.1 | 167.1 | 163.2 |
| 10° | 214.0 | 210.7 | 206.8 | 202.9 | 199.0 | 194.5 | 191.2 | 188.6 | 183.4 | 180.8 | 176.3 |
| 12.5° | 244.6 | 238.7 | 234.2 | 229.0 | 223.8 | 218.6 | 214.7 | 206.8 | 202.3 | 196.4 | 192.5 |
| 15° | 275.7 | 270.5 | 265.4 | 258.9 | 251.1 | 242.6 | 238.7 | 231.6 | 225.7 | 216.6 | 211.4 |
| 17.5° | 313.5 | 303.7 | 295.9 | 288.1 | 280.9 | 273.1 | 265.4 | 254.3 | 245.9 | 238.1 | 227.7 |
| 20° | 350.6 | 338.8 | 330.4 | 320.0 | 309.6 | 297.2 | 288.1 | 280.3 | 268.6 | 258.2 | 247.2 |
| 22.5° | 390.3 | 378.5 | 364.9 | 354.5 | 340.1 | 330.4 | 318.0 | 305.0 | 293.3 | 279.6 | 266.0 |
| 25° | 438.4 | 426.0 | 410.4 | 396.8 | 380.5 | 366.8 | 351.9 | 336.9 | 322.6 | 307.0 | 289.4 |
| 27.5° | 497.5 | 484.5 | 467.6 | 451.3 | 429.9 | 413.0 | 398.7 | 378.5 | 360.3 | 340.8 | 320.6 |
| 30° | 572.4 | 558.1 | 537.2 | 513.8 | 492.3 | 473.5 | 453.3 | 426.7 | 406.5 | 383.1 | 357.1 |
| 32.5° | 669.9 | 653.0 | 625.0 | 602.9 | 576.3 | 551.5 | 523.6 | 496.9 | 468.2 | 437.7 | 407.8 |
| 35° | 792.8 | 777.2 | 744.7 | 712.2 | 682.9 | 653.6 | 618.5 | 588.0 | 547.6 | 510.5 | 472.2 |
| 37.5° | 920.3 | 892.3 | 862.4 | 827.3 | 790.9 | 755.8 | 712.8 | 670.5 | 624.4 | 584.1 | 535.9 |
| 40° | 1066.0 | 1032.2 | 1007.4 | 969.7 | 918.4 | 868.3 | 828.6 | 775.9 | 718.0 | 664.0 | 607.5 |
| 42.5° | 1265.7 | 1227.9 | 1183.7 | 1126.5 | 1089.4 | 1030.9 | 979.5 | 917.1 | 840.9 | 780.5 | 712.2 |
| 45° | 1496.5 | 1445.2 | 1402.2 | 1346.9 | 1302.1 | 1229.2 | 1169.4 | 1086.2 | 1010.0 | 930.7 | 847.4 |
| 47.5° | 1760.0 | 1696.2 | 1633.8 | 1579.1 | 1507.6 | 1436.1 | 1359.9 | 1271.5 | 1173.9 | 1086.8 | 987.9 |
| 50° | 2062.4 | 1972.0 | 1885.5 | 1815.2 | 1717.0 | 1634.4 | 1551.8 | 1452.3 | 1344.3 | 1244.2 | 1131.7 |
| 52.5° | 2398.6 | 2293.9 | 2179.4 | 2071.5 | 1957.7 | 1851.6 | 1752.1 | 1637.7 | 1517.3 | 1395.1 | 1269.6 |
| 55° | 2804.5 | 2725.7 | 2591.1 | 2453.9 | 2301.7 | 2160.0 | 2031.8 | 1890.0 | 1743.7 | 1583.0 | 1451.0 |
| 57.5° | 3439.9 | 3401.5 | 3289.0 | 3151.8 | 2953.4 | 2781.0 | 2563.8 | 2390.1 | 2178.1 | 1957.0 | 1786.6 |
| 60° | 4301.0 | 4253.5 | 4190.4 | 4079.2 | 3921.8 | 3687.7 | 3448.3 | 3178.5 | 2855.9 | 2549.5 | 2258.8 |
| 62.5° | 4760.2 | 4743.3 | 4691.9 | 4615.1 | 4468.1 | 4283.4 | 4042.2 | 3745.6 | 3381.4 | 3009.4 | 2638.6 |
| 63° | 4773.9 | 4752.4 | 4708.2 | 4630.1 | 4500.7 | 4321.8 | 4085.1 | 3796.9 | 3440.5 | 3061.4 | 2682.9 |
| 65° | 4589.2 | 4580.7 | 4535.8 | 4450.6 | 4362.1 | 4225.6 | 4042.2 | 3794.3 | 3495.2 | 3136.8 | 2760.2 |
| 67.5° | 4070.1 | 4044.8 | 3975.8 | 3949.8 | 3888.0 | 3793.0 | 3653.2 | 3482.8 | 3268.8 | 2987.2 | 2662.1 |
| 70° | 3442.5 | 3404.8 | 3318.3 | 3272.1 | 3196.7 | 3136.8 | 3051.6 | 2930.0 | 2798.0 | 2601.5 | 2358.9 |
| 72.5° | 2777.1 | 2699.1 | 2619.8 | 2499.5 | 2394.0 | 2287.4 | 2193.1 | 2107.3 | 1962.2 | 1882.9 | 1698.8 |
| 75° | 1803.6 | 1661.7 | 1525.8 | 1343.7 | 1179.8 | 1034.8 | 893.6 | 822.1 | 673.1 | 612.7 | 526.2 |
| 77.5° | 855.9 | 776.6 | 669.9 | 587.3 | 481.9 | 393.5 | 321.3 | 241.3 | 189.3 | 148.3 | 113.1 |
| 80° | 690.7 | 623.7 | 559.4 | 484.5 | 405.2 | 323.2 | 247.8 | 185.4 | 131.4 | 91.0 | 64.4 |
| 82.5° | 615.9 | 543.1 | 463.7 | 412.4 | 358.4 | 293.3 | 240.7 | 196.4 | 145.0 | 106.0 | 72.2 |
| 85° | 239.4 | 201.6 | 155.4 | 126.8 | 98.8 | 81.3 | 73.5 | 50.8 | 39.7 | 31.2 | 24.1 |
| 87.5° | 20.8 | 16.9 | 13.7 | 9.1 | 9.8 | 5.2 | 5.9 | 3.9 | 3.3 | 3.3 | 2.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 |
| 2.5° | 143.7 | 143.1 | 142.4 | 141.1 | 141.1 | 139.8 | 139.2 | 138.5 | 135.3 | 128.1 | 122.2 |
| 5° | 150.9 | 149.6 | 148.3 | 146.3 | 145.0 | 143.1 | 141.8 | 139.8 | 132.7 | 119.0 | 107.3 |
| 7.5° | 161.3 | 158.7 | 156.7 | 152.8 | 150.9 | 148.3 | 146.3 | 143.1 | 131.4 | 110.5 | 94.3 |
| 10° | 173.7 | 169.1 | 165.8 | 161.3 | 157.4 | 154.1 | 150.9 | 146.3 | 130.1 | 101.4 | 82.6 |
| 12.5° | 188.6 | 183.4 | 176.9 | 171.7 | 166.5 | 161.9 | 157.4 | 151.5 | 128.1 | 93.6 | 73.5 |
| 15° | 203.6 | 195.8 | 191.2 | 184.1 | 176.9 | 170.4 | 163.9 | 158.7 | 128.8 | 85.2 | 65.7 |
| 17.5° | 220.5 | 212.7 | 202.9 | 195.1 | 187.3 | 178.9 | 171.0 | 160.6 | 125.5 | 78.7 | 59.9 |
| 20° | 236.8 | 225.7 | 216.6 | 206.8 | 195.8 | 185.4 | 175.6 | 166.5 | 122.9 | 72.2 | 54.7 |
| 22.5° | 254.3 | 241.3 | 229.6 | 217.3 | 203.6 | 191.9 | 180.2 | 168.4 | 118.3 | 66.4 | 50.1 |
| 25° | 275.7 | 260.8 | 243.9 | 229.0 | 214.7 | 200.3 | 185.4 | 171.0 | 113.8 | 61.2 | 46.9 |
| 27.5° | 301.8 | 282.2 | 265.4 | 246.5 | 226.4 | 208.1 | 191.9 | 176.3 | 109.2 | 57.3 | 43.6 |
| 30° | 334.9 | 312.2 | 288.1 | 264.1 | 242.6 | 221.8 | 199.0 | 179.5 | 104.7 | 53.4 | 40.3 |
| 32.5° | 379.2 | 350.6 | 321.3 | 293.3 | 264.7 | 238.1 | 214.0 | 188.6 | 102.1 | 50.1 | 37.1 |
| 35° | 437.7 | 400.7 | 364.9 | 329.7 | 295.2 | 262.8 | 231.6 | 202.9 | 102.1 | 46.2 | 33.2 |
| 37.5° | 493.0 | 450.0 | 404.6 | 361.0 | 320.0 | 282.2 | 245.2 | 210.7 | 96.9 | 43.0 | 29.9 |
| 40° | 552.8 | 501.4 | 448.1 | 396.8 | 347.3 | 300.5 | 258.2 | 218.6 | 92.3 | 39.0 | 26.7 |
| 42.5° | 644.5 | 579.5 | 509.9 | 450.0 | 390.9 | 333.0 | 280.3 | 233.5 | 86.5 | 35.1 | 23.4 |
| 45° | 764.9 | 682.2 | 600.3 | 527.5 | 452.0 | 381.1 | 318.7 | 260.8 | 85.2 | 31.9 | 20.2 |
| 47.5° | 893.6 | 796.1 | 699.8 | 606.8 | 518.4 | 435.8 | 361.0 | 291.3 | 85.2 | 28.6 | 17.6 |
| 50° | 1021.7 | 899.5 | 796.7 | 688.8 | 589.3 | 491.7 | 402.6 | 323.2 | 85.9 | 26.0 | 14.3 |
| 52.5° | 1137.5 | 1006.8 | 891.7 | 766.8 | 656.9 | 543.7 | 446.8 | 354.5 | 84.6 | 22.8 | 11.7 |
| 55° | 1298.2 | 1144.7 | 1011.3 | 873.5 | 744.7 | 617.2 | 507.3 | 401.3 | 85.2 | 20.2 | 9.8 |
| 57.5° | 1594.1 | 1414.0 | 1253.3 | 1072.5 | 924.2 | 759.7 | 626.3 | 497.5 | 93.0 | 16.9 | 7.2 |
| 60° | 2018.8 | 1784.7 | 1559.0 | 1338.5 | 1149.9 | 954.1 | 781.1 | 629.5 | 109.2 | 13.7 | 5.2 |
| 62.5° | 2304.3 | 1998.0 | 1728.7 | 1485.5 | 1266.3 | 1061.4 | 872.8 | 700.5 | 120.3 | 11.1 | 3.3 |
| 63° | 2333.6 | 2016.8 | 1746.3 | 1495.2 | 1271.5 | 1066.6 | 876.7 | 705.7 | 120.9 | 10.4 | 3.3 |
| 65° | 2388.8 | 2049.3 | 1756.1 | 1497.2 | 1266.3 | 1059.5 | 874.1 | 705.0 | 122.2 | 8.5 | 2.6 |
| 67.5° | 2325.8 | 1999.3 | 1699.4 | 1441.3 | 1220.8 | 1017.2 | 841.6 | 679.0 | 121.6 | 5.9 | 2.0 |
| 70° | 2079.9 | 1809.4 | 1546.0 | 1305.3 | 1105.0 | 921.0 | 766.2 | 619.2 | 111.8 | 3.9 | 1.3 |
| 72.5° | 1527.1 | 1343.0 | 1138.8 | 965.2 | 832.5 | 691.4 | 589.9 | 465.0 | 86.5 | 2.6 | 0.7 |
| 75° | 452.6 | 412.4 | 346.7 | 305.7 | 269.9 | 223.1 | 198.4 | 154.8 | 44.3 | 1.3 | 0.0 |
| 77.5° | 90.4 | 82.0 | 73.5 | 67.0 | 63.1 | 54.0 | 51.4 | 42.3 | 18.2 | 0.7 | 0.0 |
| 80° | 47.5 | 39.0 | 33.2 | 29.3 | 25.4 | 20.8 | 17.6 | 14.3 | 3.3 | 0.0 | 0.0 |
| 82.5° | 45.6 | 30.6 | 22.1 | 18.2 | 15.6 | 12.4 | 9.8 | 7.2 | 2.0 | 0.0 | 0.0 |
| 85° | 16.9 | 13.0 | 9.8 | 7.8 | 6.5 | 5.9 | 4.6 | 3.9 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.6 | 2.0 | 2.0 | 1.3 | 1.3 | 0.7 | 0.7 | 0.7 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 | 137.2 |
| 2.5° | 116.4 | 111.2 | 108.6 | 105.3 | 105.3 | 104.7 | 106.0 |
| 5° | 96.9 | 89.8 | 84.6 | 80.7 | 81.3 | 79.4 | 80.0 |
| 7.5° | 82.0 | 74.8 | 70.3 | 67.7 | 67.0 | 66.4 | 66.4 |
| 10° | 70.9 | 64.4 | 60.5 | 58.6 | 57.9 | 57.9 | 57.9 |
| 12.5° | 63.1 | 56.6 | 53.4 | 52.1 | 52.1 | 51.4 | 51.4 |
| 15° | 56.6 | 51.4 | 48.2 | 46.9 | 46.9 | 46.2 | 46.9 |
| 17.5° | 51.4 | 46.2 | 43.6 | 42.3 | 42.3 | 41.6 | 41.6 |
| 20° | 46.9 | 42.3 | 39.7 | 37.7 | 37.7 | 37.1 | 37.7 |
| 22.5° | 43.0 | 38.4 | 35.1 | 33.8 | 33.2 | 32.5 | 33.2 |
| 25° | 39.0 | 34.5 | 31.2 | 29.3 | 28.6 | 28.6 | 28.0 |
| 27.5° | 35.8 | 31.2 | 27.3 | 25.4 | 24.7 | 24.7 | 24.1 |
| 30° | 32.5 | 27.3 | 23.4 | 21.5 | 20.8 | 20.8 | 20.8 |
| 32.5° | 29.3 | 23.4 | 20.2 | 18.2 | 17.6 | 17.6 | 17.6 |
| 35° | 26.0 | 20.2 | 16.9 | 15.0 | 14.3 | 14.3 | 14.3 |
| 37.5° | 22.1 | 16.9 | 13.0 | 11.7 | 11.1 | 10.4 | 10.4 |
| 40° | 18.9 | 13.0 | 9.8 | 8.5 | 7.2 | 7.2 | 7.2 |
| 42.5° | 15.6 | 10.4 | 7.2 | 5.2 | 4.6 | 3.9 | 4.6 |
| 45° | 13.0 | 7.8 | 4.6 | 2.6 | 2.0 | 2.0 | 2.0 |
| 47.5° | 10.4 | 5.2 | 2.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 50° | 7.8 | 3.3 | 0.7 | 0.0 | 0.0 | 0.7 | 0.7 |
| 52.5° | 5.9 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 3.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)