

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: P140861

Luminaire Tested: **MEM-E01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P140861
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM-E01-LED-E-U-RW-7050
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3034.5 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

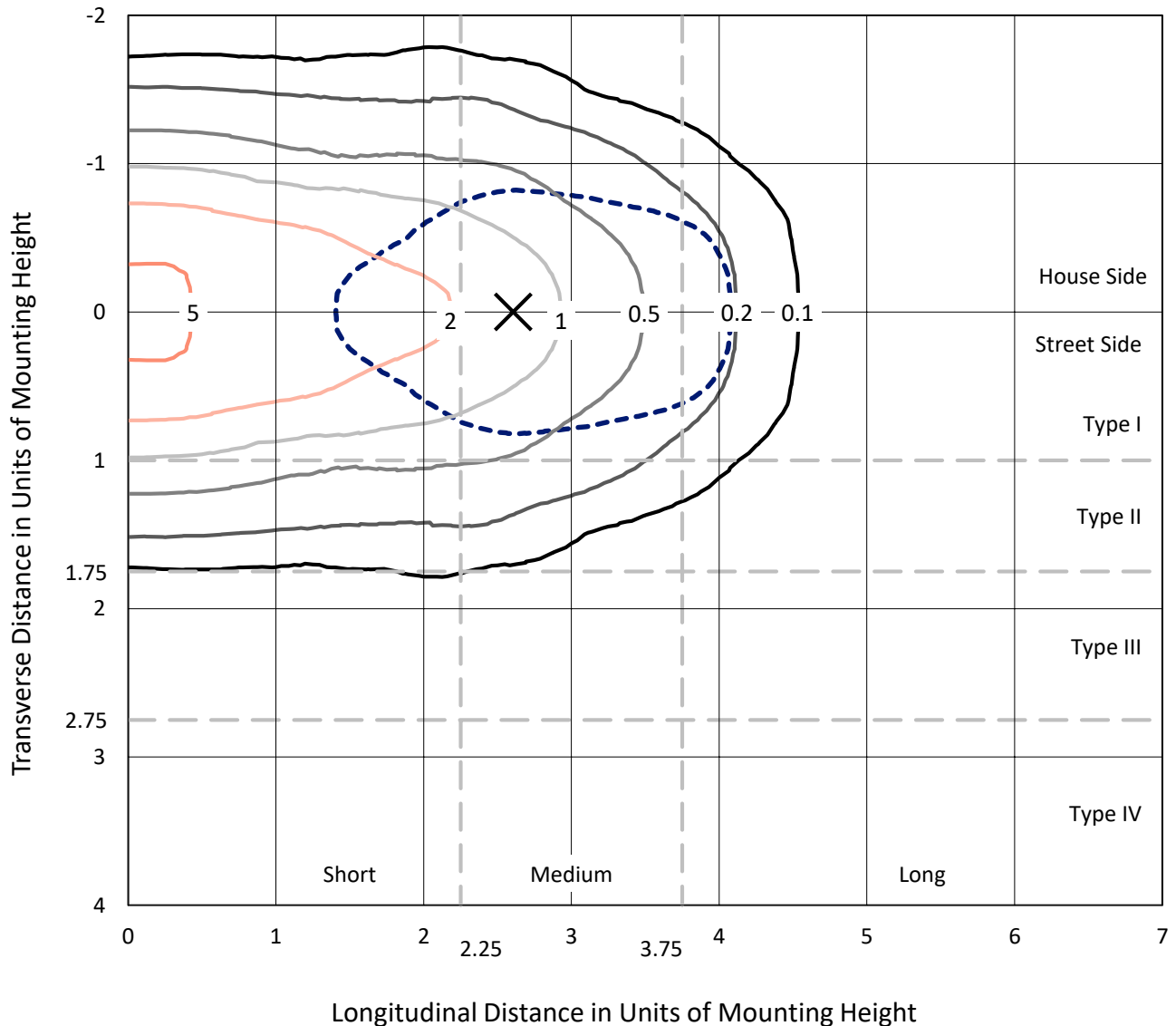
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P140861
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Iso-Footcandle Lines of Horizontal Illumination

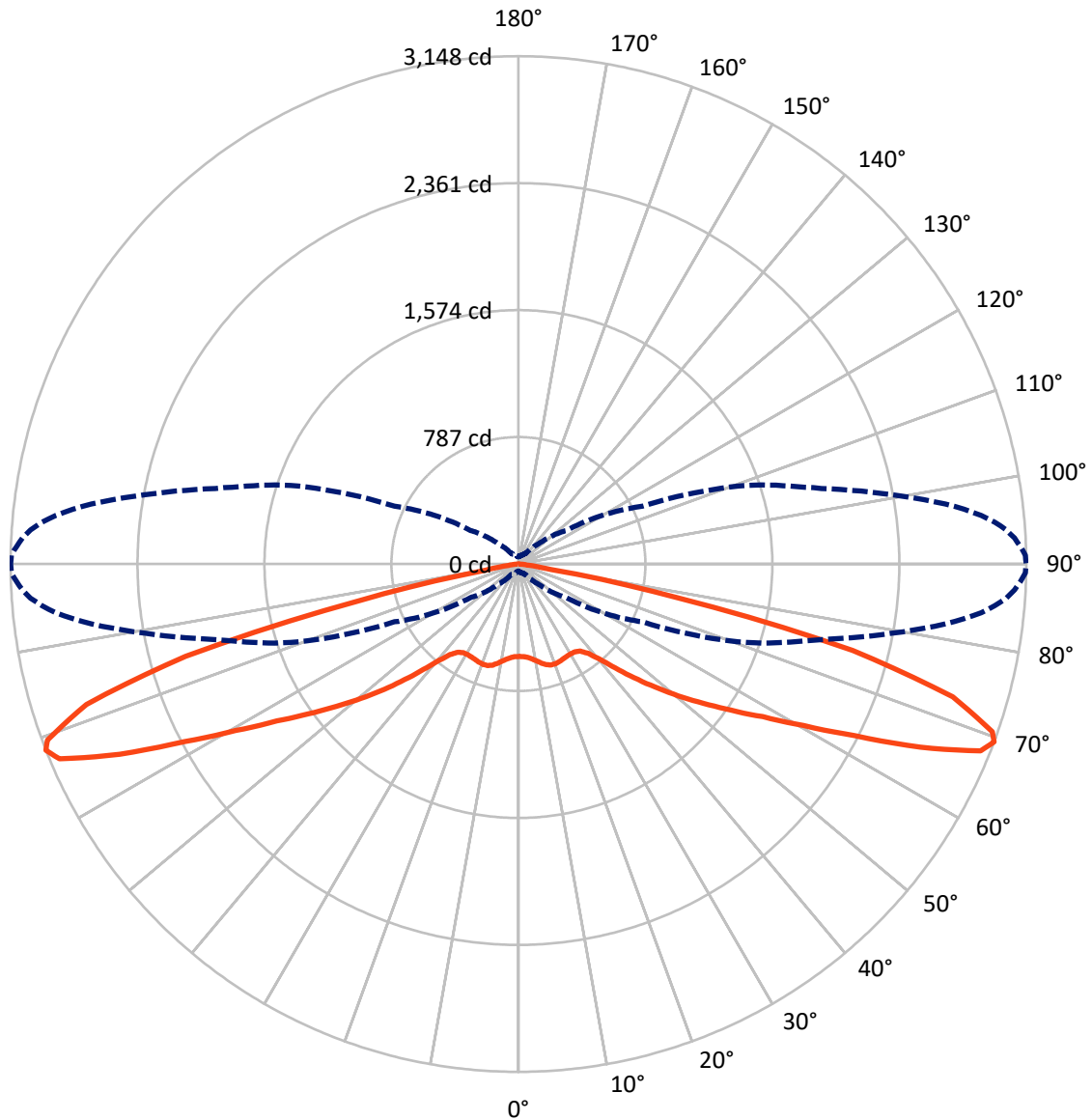
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1517.3 | 0.0 | 1517.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1517.3 | 0.0 | 1517.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3034.5 | 0.0 | 3034.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.1 | 1.8 |
| 10°-20° | 176.3 | 5.8 |
| 20°-30° | 285.2 | 9.4 |
| 30°-40° | 356.2 | 11.7 |
| 40°-50° | 445.5 | 14.7 |
| 50°-60° | 549.0 | 18.1 |
| 60°-70° | 679.7 | 22.4 |
| 70°-80° | 444.3 | 14.6 |
| 80°-90° | 42.2 | 1.4 |
| 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° | 3034.5 | 100.0 |
| 0°-180° | 3034.5 | 100.0 |

Coefficient of Utilization



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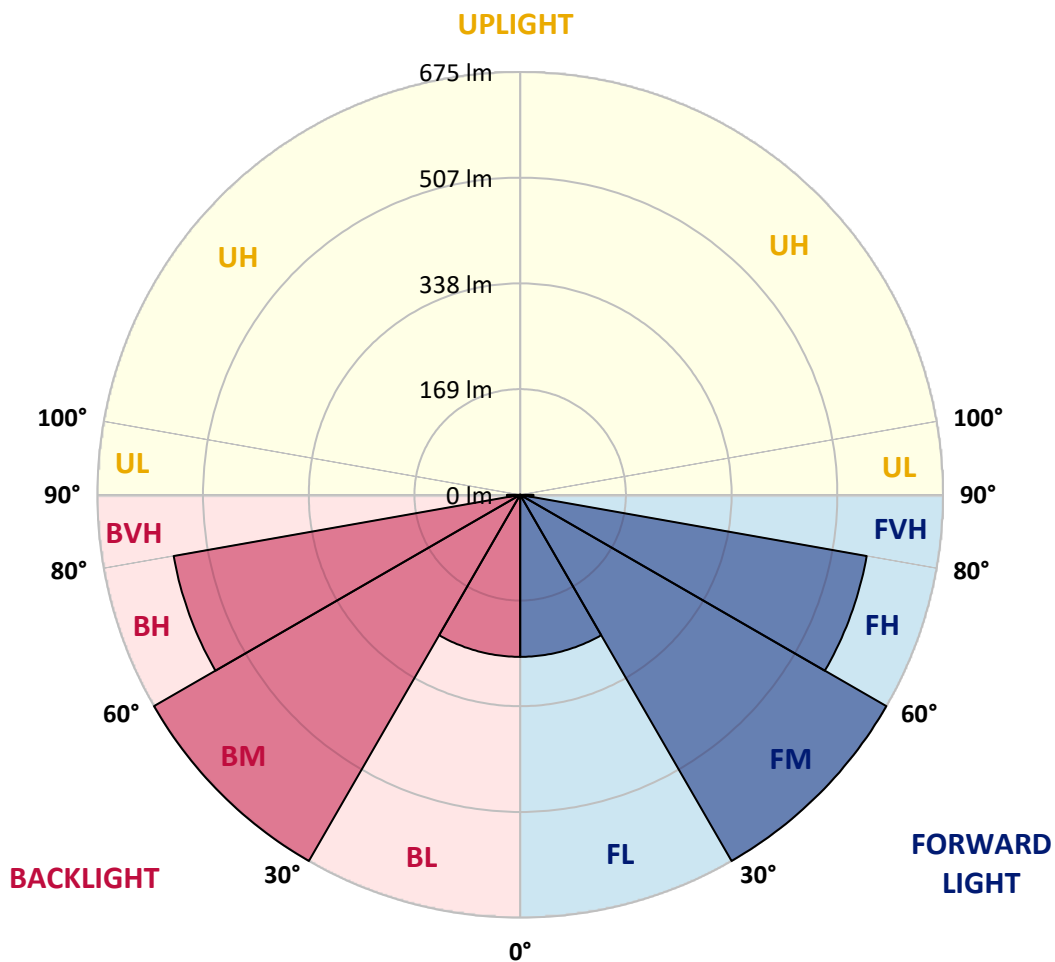
CATALOG NUMBER: MEM-E01-LED-E-U-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 258.8 | 8.5 | | | |
| FM | (30°-60°) | 675.4 | 22.3 | | | |
| FH | (60°-80°) | 562.0 | 18.5 | | | G0/660 |
| FVH | (80°-90°) | 21.1 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 258.8 | 8.5 | B1/500 | | |
| BM | (30°-60°) | 675.4 | 22.3 | B1/1000 | | |
| BH | (60°-80°) | 562.0 | 18.5 | B2/1000 | | G0/660 |
| BVH | (80°-90°) | 21.1 | 0.7 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Medium





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CATALOG NUMBER: MEM-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 |
| 2.5° | 576.7 | 577.0 | 576.0 | 576.3 | 576.6 | 576.4 | 575.8 | 575.8 | 575.6 | 575.5 | 575.3 |
| 5° | 580.4 | 580.6 | 580.1 | 581.0 | 581.1 | 581.6 | 581.6 | 581.8 | 581.7 | 581.6 | 581.5 |
| 7.5° | 585.8 | 586.4 | 586.0 | 587.1 | 588.3 | 590.0 | 590.8 | 593.0 | 592.9 | 592.9 | 592.8 |
| 10° | 590.7 | 591.4 | 591.4 | 594.1 | 597.0 | 600.3 | 603.7 | 607.0 | 607.2 | 607.3 | 607.6 |
| 12.5° | 594.4 | 595.0 | 595.8 | 600.8 | 607.2 | 612.8 | 618.8 | 623.8 | 624.1 | 624.3 | 624.5 |
| 15° | 592.9 | 594.2 | 598.0 | 605.9 | 617.3 | 626.4 | 633.8 | 640.0 | 640.4 | 640.8 | 641.2 |
| 17.5° | 587.6 | 589.5 | 595.1 | 608.5 | 626.1 | 640.6 | 649.4 | 651.1 | 651.4 | 651.6 | 651.9 |
| 20° | 576.2 | 578.9 | 587.8 | 606.8 | 632.8 | 652.4 | 661.2 | 658.1 | 657.8 | 657.5 | 657.3 |
| 22.5° | 557.0 | 560.6 | 571.8 | 598.7 | 633.2 | 661.0 | 669.5 | 661.0 | 660.0 | 659.1 | 658.1 |
| 25° | 531.4 | 534.2 | 547.0 | 578.9 | 625.4 | 662.5 | 674.8 | 662.8 | 661.3 | 659.8 | 658.2 |
| 27.5° | 500.2 | 502.6 | 518.4 | 552.4 | 605.9 | 654.6 | 678.2 | 666.1 | 664.1 | 662.1 | 660.2 |
| 30° | 465.2 | 467.2 | 484.4 | 520.8 | 578.6 | 637.4 | 677.9 | 673.5 | 671.1 | 668.8 | 666.4 |
| 32.5° | 430.3 | 431.2 | 446.5 | 486.4 | 548.1 | 611.9 | 672.2 | 684.8 | 682.5 | 680.2 | 677.9 |
| 35° | 392.0 | 394.8 | 411.2 | 454.6 | 513.8 | 583.8 | 664.8 | 700.5 | 699.2 | 697.9 | 696.6 |
| 37.5° | 361.2 | 362.0 | 379.6 | 424.8 | 485.8 | 558.4 | 655.2 | 720.7 | 721.6 | 722.5 | 723.4 |
| 40° | 330.4 | 330.4 | 347.8 | 394.7 | 458.0 | 535.5 | 647.1 | 745.4 | 750.1 | 754.8 | 759.5 |
| 42.5° | 296.7 | 299.1 | 316.2 | 362.9 | 431.0 | 516.0 | 643.0 | 775.2 | 784.1 | 792.9 | 801.7 |
| 45° | 265.2 | 266.8 | 284.2 | 329.9 | 397.3 | 493.8 | 641.8 | 808.4 | 821.8 | 835.2 | 848.6 |
| 47.5° | 234.3 | 236.5 | 253.2 | 295.0 | 360.5 | 464.2 | 640.3 | 846.2 | 863.3 | 880.5 | 897.6 |
| 50° | 205.6 | 207.0 | 225.4 | 263.6 | 324.2 | 425.8 | 630.2 | 888.4 | 909.4 | 930.3 | 951.2 |
| 52.5° | 175.1 | 177.8 | 193.0 | 232.4 | 287.6 | 384.6 | 603.7 | 934.4 | 959.8 | 985.1 | 1010.4 |
| 55° | 143.4 | 142.6 | 161.0 | 197.9 | 255.6 | 345.2 | 554.8 | 974.3 | 1004.8 | 1035.4 | 1065.9 |
| 57.5° | 105.0 | 107.2 | 124.0 | 161.4 | 218.6 | 312.0 | 497.2 | 995.0 | 1033.1 | 1071.2 | 1109.3 |
| 60° | 75.2 | 78.3 | 92.9 | 122.4 | 181.6 | 279.4 | 438.4 | 980.6 | 1031.1 | 1081.6 | 1132.1 |
| 62.5° | 58.8 | 60.2 | 72.6 | 91.9 | 141.6 | 245.4 | 398.8 | 943.4 | 1013.0 | 1082.6 | 1152.2 |
| 65° | 51.3 | 52.8 | 64.0 | 73.8 | 107.6 | 213.1 | 375.0 | 913.6 | 1005.4 | 1097.3 | 1189.2 |
| 67.5° | 46.7 | 48.6 | 58.2 | 65.0 | 88.2 | 185.6 | 369.4 | 889.3 | 997.1 | 1104.8 | 1212.6 |
| 69° | 44.4 | 46.3 | 55.2 | 61.6 | 82.0 | 176.8 | 362.9 | 848.4 | 957.8 | 1067.2 | 1176.6 |
| 70° | 43.4 | 45.0 | 53.5 | 59.6 | 79.9 | 171.7 | 348.2 | 801.7 | 907.4 | 1013.2 | 1118.9 |
| 72.5° | 40.0 | 40.8 | 48.8 | 54.6 | 75.6 | 143.6 | 275.8 | 600.1 | 688.4 | 776.8 | 865.1 |
| 75° | 35.4 | 36.8 | 44.0 | 50.0 | 60.8 | 92.1 | 180.9 | 362.8 | 428.2 | 493.6 | 559.0 |
| 77.5° | 30.4 | 31.6 | 37.8 | 47.7 | 46.7 | 55.8 | 104.0 | 202.6 | 238.0 | 273.4 | 308.8 |
| 80° | 26.4 | 27.6 | 33.2 | 44.3 | 38.0 | 41.2 | 70.2 | 132.2 | 145.6 | 159.1 | 172.5 |
| 82.5° | 20.7 | 21.5 | 27.8 | 36.1 | 29.4 | 30.6 | 52.5 | 115.5 | 123.6 | 131.6 | 139.8 |
| 85° | 13.2 | 13.6 | 20.4 | 24.6 | 20.5 | 18.1 | 33.0 | 84.7 | 91.1 | 97.5 | 103.9 |
| 87.5° | 4.6 | 6.5 | 9.1 | 8.6 | 8.6 | 6.5 | 11.6 | 31.3 | 33.8 | 36.3 | 38.8 |
| 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: P140861

CATALOG NUMBER: MEM-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 |
| 2.5° | 575.1 | 575.0 | 575.2 | 575.2 | 575.0 | 574.8 | 574.8 | 574.7 | 574.3 | 574.3 | 574.1 |
| 5° | 581.4 | 581.3 | 581.6 | 581.4 | 581.6 | 581.4 | 581.4 | 581.3 | 581.4 | 580.8 | 580.6 |
| 7.5° | 592.8 | 592.8 | 592.7 | 593.2 | 592.9 | 592.8 | 593.1 | 593.1 | 593.1 | 592.8 | 592.8 |
| 10° | 607.8 | 608.0 | 608.3 | 608.7 | 608.7 | 608.7 | 609.3 | 608.8 | 609.8 | 608.8 | 609.3 |
| 12.5° | 624.7 | 624.9 | 625.8 | 626.1 | 626.4 | 626.4 | 626.4 | 627.4 | 628.1 | 628.0 | 628.2 |
| 15° | 641.6 | 642.0 | 642.2 | 642.7 | 642.6 | 642.9 | 643.6 | 644.7 | 644.4 | 645.0 | 645.1 |
| 17.5° | 652.1 | 652.4 | 652.2 | 652.2 | 652.6 | 653.1 | 653.8 | 654.4 | 654.3 | 654.8 | 655.2 |
| 20° | 657.0 | 656.7 | 656.2 | 655.8 | 655.7 | 656.0 | 656.0 | 656.2 | 656.5 | 656.5 | 656.5 |
| 22.5° | 657.2 | 656.2 | 655.0 | 654.3 | 653.4 | 653.0 | 653.3 | 653.0 | 653.0 | 653.0 | 652.6 |
| 25° | 656.7 | 655.2 | 653.2 | 651.9 | 650.6 | 649.7 | 648.8 | 648.5 | 647.8 | 647.8 | 647.8 |
| 27.5° | 658.2 | 656.2 | 654.3 | 651.8 | 649.9 | 648.8 | 647.7 | 646.4 | 645.8 | 645.0 | 645.1 |
| 30° | 664.1 | 661.7 | 659.2 | 656.2 | 653.7 | 652.8 | 650.6 | 649.4 | 647.7 | 646.8 | 646.4 |
| 32.5° | 675.6 | 673.3 | 670.0 | 666.6 | 664.6 | 662.0 | 660.2 | 657.6 | 655.7 | 654.5 | 653.0 |
| 35° | 695.3 | 694.0 | 691.2 | 689.0 | 686.0 | 683.0 | 679.2 | 677.9 | 674.0 | 673.3 | 671.4 |
| 37.5° | 724.4 | 725.3 | 724.8 | 723.0 | 721.0 | 718.4 | 716.9 | 714.0 | 712.5 | 710.9 | 709.2 |
| 40° | 764.2 | 768.9 | 770.4 | 772.3 | 772.8 | 775.0 | 772.5 | 772.2 | 770.1 | 771.8 | 770.8 |
| 42.5° | 810.5 | 819.4 | 824.2 | 829.8 | 836.0 | 841.6 | 846.0 | 853.6 | 852.7 | 858.5 | 862.6 |
| 45° | 862.0 | 875.4 | 887.8 | 897.2 | 909.0 | 922.0 | 933.4 | 944.0 | 956.0 | 962.8 | 973.0 |
| 47.5° | 914.8 | 931.9 | 949.5 | 966.9 | 983.7 | 1000.4 | 1021.0 | 1039.6 | 1057.8 | 1070.1 | 1085.6 |
| 50° | 972.2 | 993.1 | 1014.3 | 1035.7 | 1059.4 | 1085.8 | 1108.8 | 1133.0 | 1158.0 | 1183.2 | 1201.0 |
| 52.5° | 1035.7 | 1061.0 | 1084.1 | 1106.6 | 1136.1 | 1163.9 | 1193.7 | 1224.2 | 1262.0 | 1289.4 | 1314.0 |
| 55° | 1096.5 | 1127.0 | 1152.3 | 1179.3 | 1210.2 | 1241.1 | 1277.5 | 1315.6 | 1355.6 | 1395.4 | 1431.2 |
| 57.5° | 1147.4 | 1185.5 | 1215.6 | 1242.4 | 1275.4 | 1311.2 | 1350.4 | 1397.6 | 1443.2 | 1492.5 | 1538.8 |
| 60° | 1182.6 | 1233.0 | 1269.3 | 1301.6 | 1340.0 | 1379.6 | 1430.8 | 1486.5 | 1546.6 | 1607.8 | 1667.2 |
| 62.5° | 1221.8 | 1291.4 | 1340.9 | 1387.2 | 1432.4 | 1476.6 | 1534.2 | 1603.4 | 1684.8 | 1758.9 | 1837.8 |
| 65° | 1281.0 | 1372.9 | 1446.2 | 1505.0 | 1569.3 | 1633.6 | 1700.8 | 1781.6 | 1874.2 | 1982.2 | 2074.1 |
| 67.5° | 1320.4 | 1428.2 | 1521.2 | 1605.5 | 1680.6 | 1758.8 | 1843.6 | 1940.4 | 2052.0 | 2162.4 | 2276.6 |
| 69° | 1286.0 | 1395.4 | 1493.7 | 1586.6 | 1668.8 | 1753.0 | 1839.1 | 1936.6 | 2050.6 | 2172.6 | 2293.2 |
| 70° | 1224.6 | 1330.4 | 1431.9 | 1529.8 | 1610.1 | 1698.0 | 1782.8 | 1875.7 | 1991.3 | 2113.2 | 2244.4 |
| 72.5° | 953.5 | 1041.8 | 1146.2 | 1240.6 | 1336.5 | 1416.7 | 1493.4 | 1586.6 | 1703.2 | 1819.3 | 1947.0 |
| 75° | 624.4 | 689.8 | 785.3 | 863.0 | 945.9 | 1021.2 | 1076.7 | 1169.2 | 1240.0 | 1349.4 | 1468.0 |
| 77.5° | 344.1 | 379.5 | 429.0 | 492.4 | 528.1 | 570.5 | 626.1 | 659.8 | 710.1 | 786.5 | 822.1 |
| 80° | 186.0 | 199.4 | 220.2 | 233.4 | 244.0 | 233.6 | 228.0 | 238.0 | 233.8 | 232.6 | 221.2 |
| 82.5° | 147.8 | 156.0 | 166.8 | 174.5 | 169.5 | 147.0 | 123.4 | 106.0 | 94.9 | 79.8 | 68.4 |
| 85° | 110.3 | 116.6 | 120.8 | 125.8 | 125.0 | 113.0 | 90.4 | 70.0 | 54.9 | 43.8 | 38.2 |
| 87.5° | 41.3 | 43.8 | 45.0 | 54.7 | 50.2 | 47.7 | 37.1 | 27.0 | 20.6 | 15.0 | 12.1 |
| 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: P140861

CATALOG NUMBER: MEM-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 | 572.9 |
| 2.5° | 574.4 | 574.3 | 574.3 | 574.3 | 574.4 | 574.2 | 573.8 | 574.1 | 574.0 | 573.9 | 573.9 |
| 5° | 581.3 | 581.1 | 581.2 | 581.3 | 581.2 | 581.2 | 581.1 | 580.4 | 580.8 | 581.0 | 581.1 |
| 7.5° | 593.1 | 592.9 | 592.9 | 593.8 | 593.6 | 593.4 | 593.3 | 593.6 | 593.1 | 593.1 | 593.4 |
| 10° | 609.3 | 610.0 | 609.8 | 610.4 | 610.2 | 609.8 | 609.5 | 609.8 | 610.4 | 610.5 | 609.8 |
| 12.5° | 629.2 | 629.4 | 629.0 | 629.8 | 629.4 | 630.6 | 629.2 | 629.9 | 630.6 | 629.5 | 630.0 |
| 15° | 645.2 | 645.2 | 646.0 | 646.1 | 645.9 | 646.3 | 647.3 | 646.8 | 646.3 | 647.2 | 647.5 |
| 17.5° | 655.0 | 655.6 | 655.6 | 655.8 | 656.2 | 656.6 | 656.7 | 656.6 | 656.7 | 657.0 | 657.7 |
| 20° | 657.2 | 657.0 | 657.4 | 657.6 | 658.1 | 658.0 | 658.4 | 658.2 | 658.8 | 658.9 | 659.1 |
| 22.5° | 653.3 | 653.4 | 653.7 | 654.2 | 654.0 | 654.3 | 654.5 | 655.0 | 654.8 | 655.2 | 655.3 |
| 25° | 648.0 | 648.3 | 648.5 | 648.4 | 648.4 | 648.5 | 648.6 | 648.5 | 649.2 | 649.6 | 649.5 |
| 27.5° | 644.6 | 644.6 | 645.1 | 644.9 | 644.6 | 645.0 | 644.8 | 644.8 | 644.8 | 644.9 | 645.4 |
| 30° | 646.0 | 645.4 | 645.0 | 645.1 | 644.9 | 644.6 | 644.2 | 643.7 | 643.7 | 643.9 | 643.7 |
| 32.5° | 653.3 | 652.2 | 651.8 | 651.2 | 650.9 | 650.0 | 649.0 | 648.6 | 647.8 | 647.8 | 647.5 |
| 35° | 672.1 | 670.9 | 670.9 | 669.0 | 668.0 | 667.5 | 666.6 | 664.1 | 664.2 | 663.2 | 662.9 |
| 37.5° | 709.6 | 707.5 | 706.6 | 708.4 | 705.1 | 706.5 | 703.6 | 702.3 | 703.0 | 701.2 | 702.2 |
| 40° | 772.5 | 775.7 | 774.4 | 776.2 | 777.1 | 777.4 | 777.4 | 774.6 | 777.4 | 772.8 | 774.4 |
| 42.5° | 863.3 | 871.8 | 875.0 | 876.0 | 881.2 | 879.9 | 878.3 | 878.2 | 878.0 | 880.2 | 879.0 |
| 45° | 977.6 | 978.8 | 993.3 | 996.0 | 998.9 | 1002.2 | 1001.3 | 1005.0 | 1007.8 | 1004.0 | 1004.6 |
| 47.5° | 1094.4 | 1106.5 | 1117.0 | 1122.9 | 1129.2 | 1126.0 | 1128.6 | 1130.1 | 1139.8 | 1138.8 | 1138.0 |
| 50° | 1222.9 | 1243.3 | 1249.0 | 1255.2 | 1260.2 | 1270.2 | 1269.3 | 1275.3 | 1274.3 | 1282.3 | 1283.3 |
| 52.5° | 1344.9 | 1367.3 | 1390.0 | 1400.0 | 1407.4 | 1418.9 | 1423.4 | 1429.9 | 1427.5 | 1426.8 | 1432.8 |
| 55° | 1466.1 | 1503.6 | 1529.6 | 1555.1 | 1569.2 | 1584.4 | 1591.0 | 1600.2 | 1604.3 | 1606.2 | 1598.7 |
| 57.5° | 1586.4 | 1631.4 | 1675.3 | 1706.8 | 1728.6 | 1751.6 | 1763.7 | 1773.8 | 1785.6 | 1789.5 | 1785.8 |
| 60° | 1727.0 | 1792.8 | 1850.4 | 1892.4 | 1932.8 | 1957.8 | 1984.0 | 2003.1 | 2006.8 | 2023.0 | 2033.4 |
| 62.5° | 1914.2 | 1994.4 | 2067.4 | 2128.6 | 2191.2 | 2238.0 | 2285.1 | 2304.0 | 2322.6 | 2335.2 | 2342.9 |
| 65° | 2169.6 | 2275.2 | 2376.1 | 2463.2 | 2540.0 | 2617.6 | 2672.7 | 2701.6 | 2738.6 | 2746.0 | 2738.0 |
| 67.5° | 2393.4 | 2518.0 | 2643.4 | 2754.2 | 2837.1 | 2917.8 | 2983.0 | 3031.0 | 3065.7 | 3082.8 | 3089.9 |
| 69° | 2418.0 | 2544.7 | 2672.8 | 2783.3 | 2883.7 | 2964.1 | 3031.0 | 3078.5 | 3113.0 | 3142.6 | 3147.7 |
| 70° | 2367.6 | 2509.8 | 2634.4 | 2745.8 | 2849.4 | 2931.2 | 2991.1 | 3045.5 | 3084.8 | 3107.6 | 3115.6 |
| 72.5° | 2078.4 | 2206.3 | 2332.0 | 2460.4 | 2549.2 | 2647.5 | 2696.8 | 2740.4 | 2792.7 | 2822.5 | 2816.0 |
| 75° | 1575.1 | 1685.8 | 1795.4 | 1891.4 | 1959.8 | 1996.1 | 2053.8 | 2096.0 | 2088.3 | 2138.4 | 2139.8 |
| 77.5° | 888.4 | 902.8 | 977.2 | 967.2 | 1000.1 | 1001.0 | 1009.5 | 1024.4 | 995.8 | 1054.5 | 1012.4 |
| 80° | 215.4 | 212.6 | 228.0 | 209.8 | 208.3 | 206.8 | 201.6 | 211.8 | 213.1 | 202.6 | 204.5 |
| 82.5° | 63.3 | 60.6 | 59.4 | 57.8 | 60.4 | 59.5 | 60.0 | 60.4 | 62.0 | 59.8 | 62.3 |
| 85° | 34.7 | 32.7 | 32.5 | 31.6 | 31.5 | 29.6 | 29.4 | 29.4 | 28.2 | 28.6 | 28.4 |
| 87.5° | 13.3 | 12.5 | 11.8 | 11.3 | 11.1 | 10.6 | 10.1 | 9.2 | 8.2 | 7.4 | 6.8 |
| 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)