

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: P162422

Luminaire Tested: **MEM-F04-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162422
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-F04-LED-E-U-SL2-HSS
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5756.5 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 102.2
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

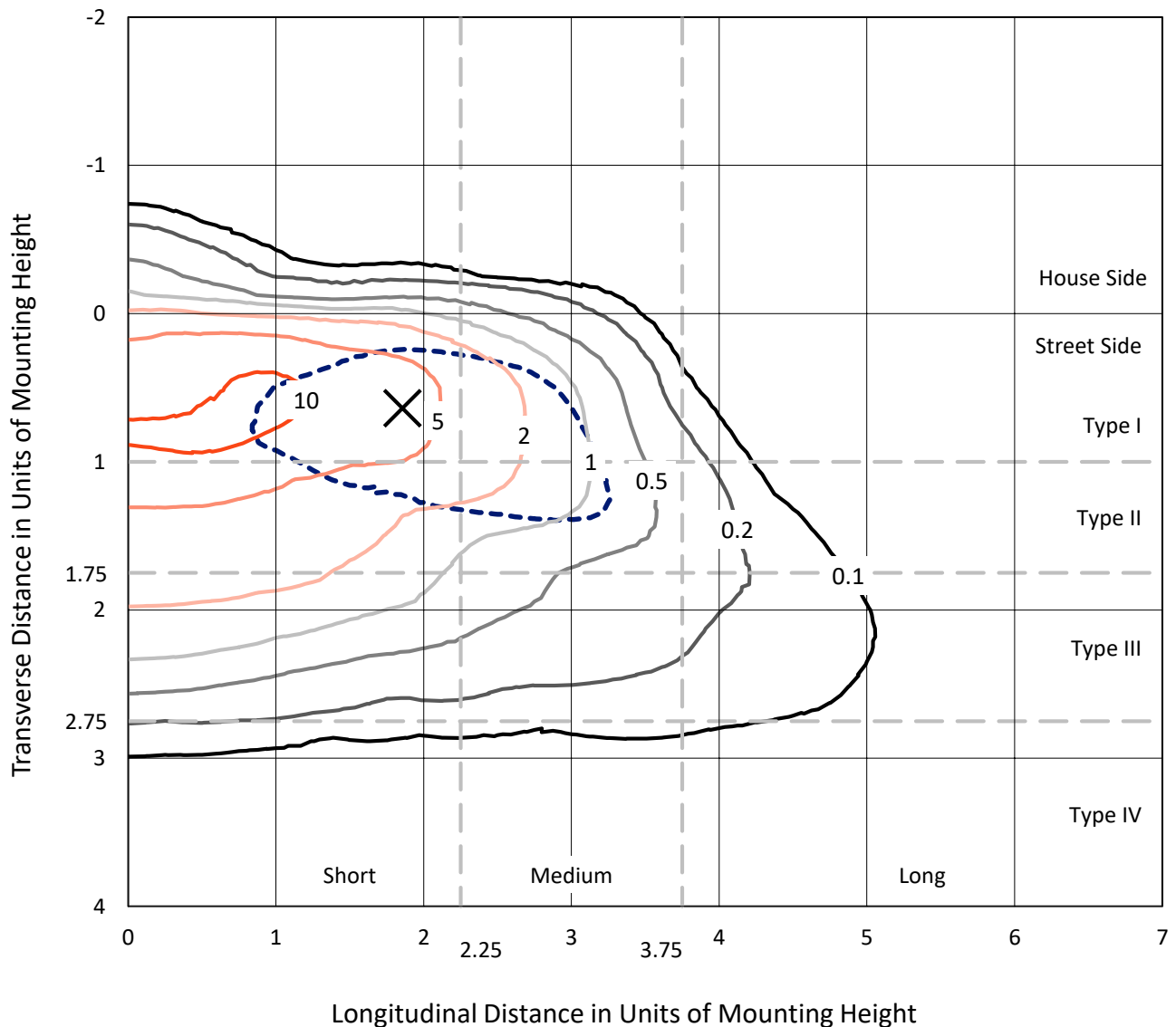


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

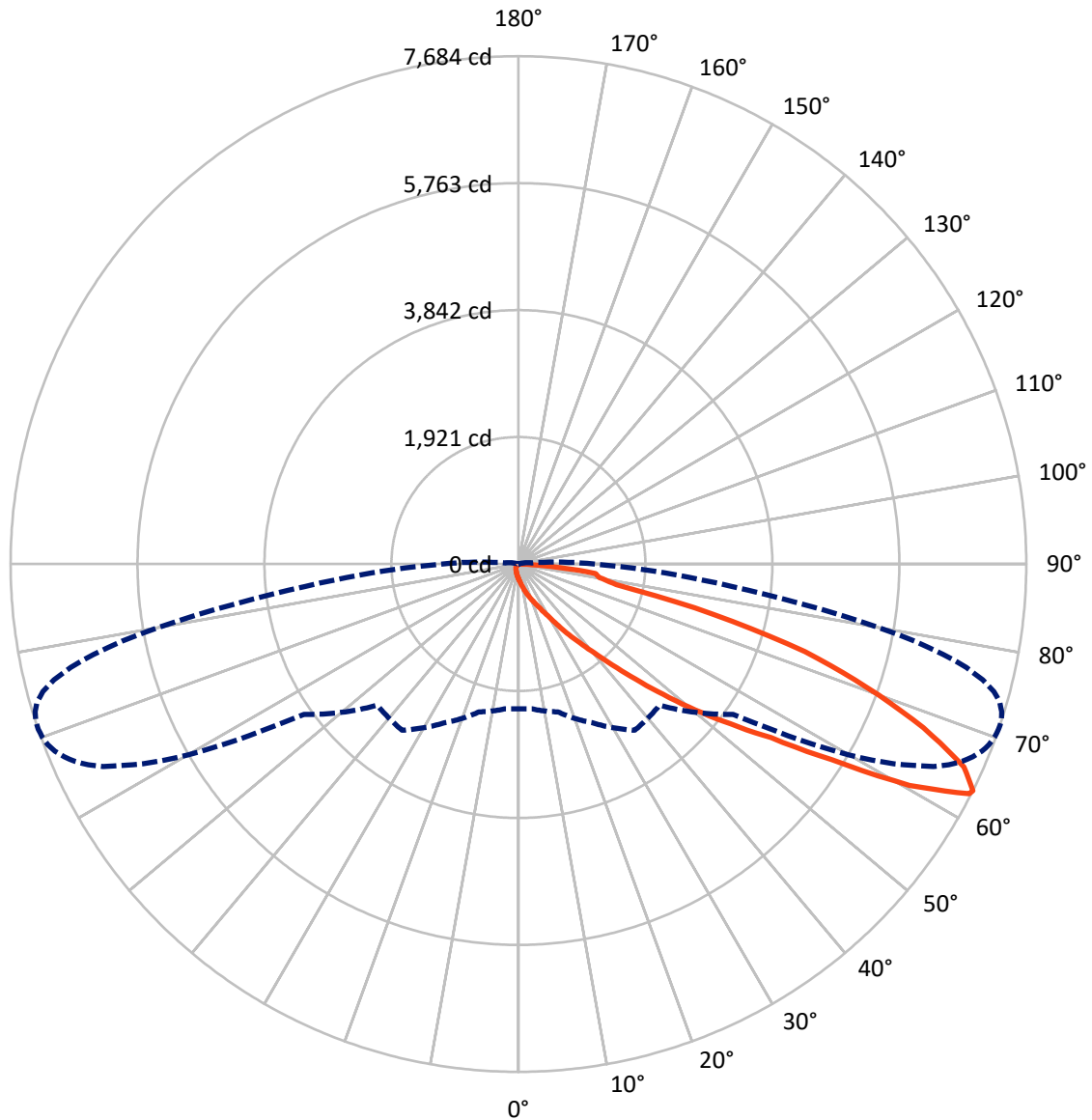


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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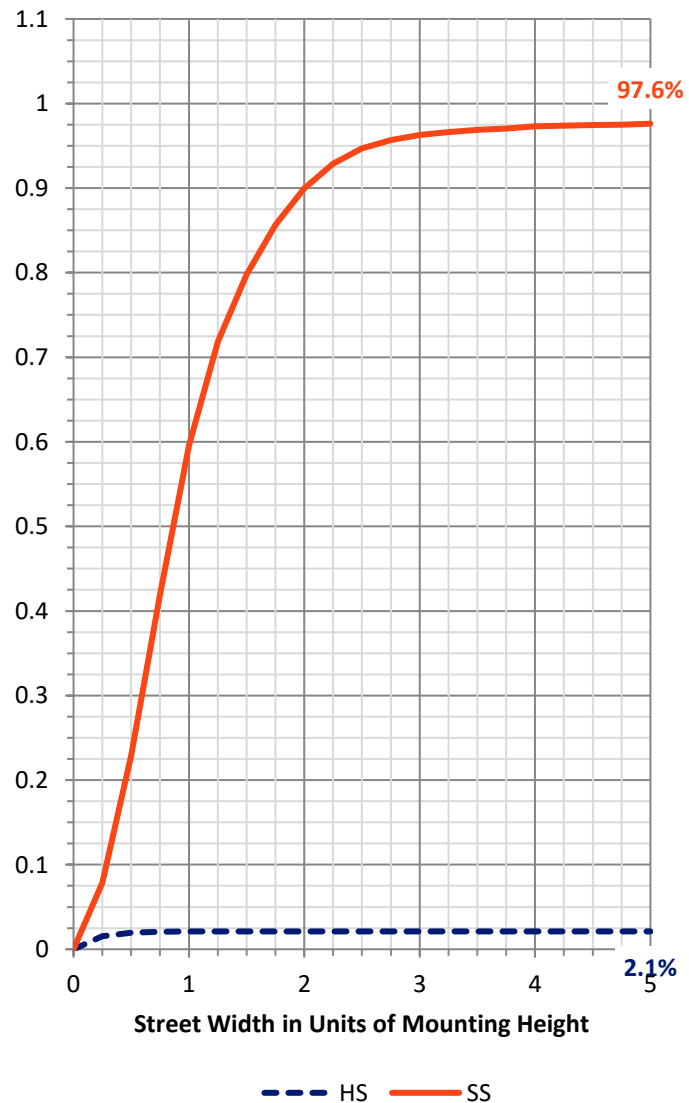
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 122.2 | 0.0 | 122.2 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 5634.3 | 0.0 | 5634.3 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 5756.5 | 0.0 | 5756.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.4 | 0.4 |
| 10°-20° | 94.7 | 1.6 |
| 20°-30° | 192.3 | 3.3 |
| 30°-40° | 469.7 | 8.2 |
| 40°-50° | 1050.5 | 18.2 |
| 50°-60° | 1477.1 | 25.7 |
| 60°-70° | 1736.9 | 30.2 |
| 70°-80° | 627.2 | 10.9 |
| 80°-90° | 83.9 | 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° | 5756.5 | 100.0 |
| 0°-180° | 5756.5 | 100.0 |

Coefficient of Utilization



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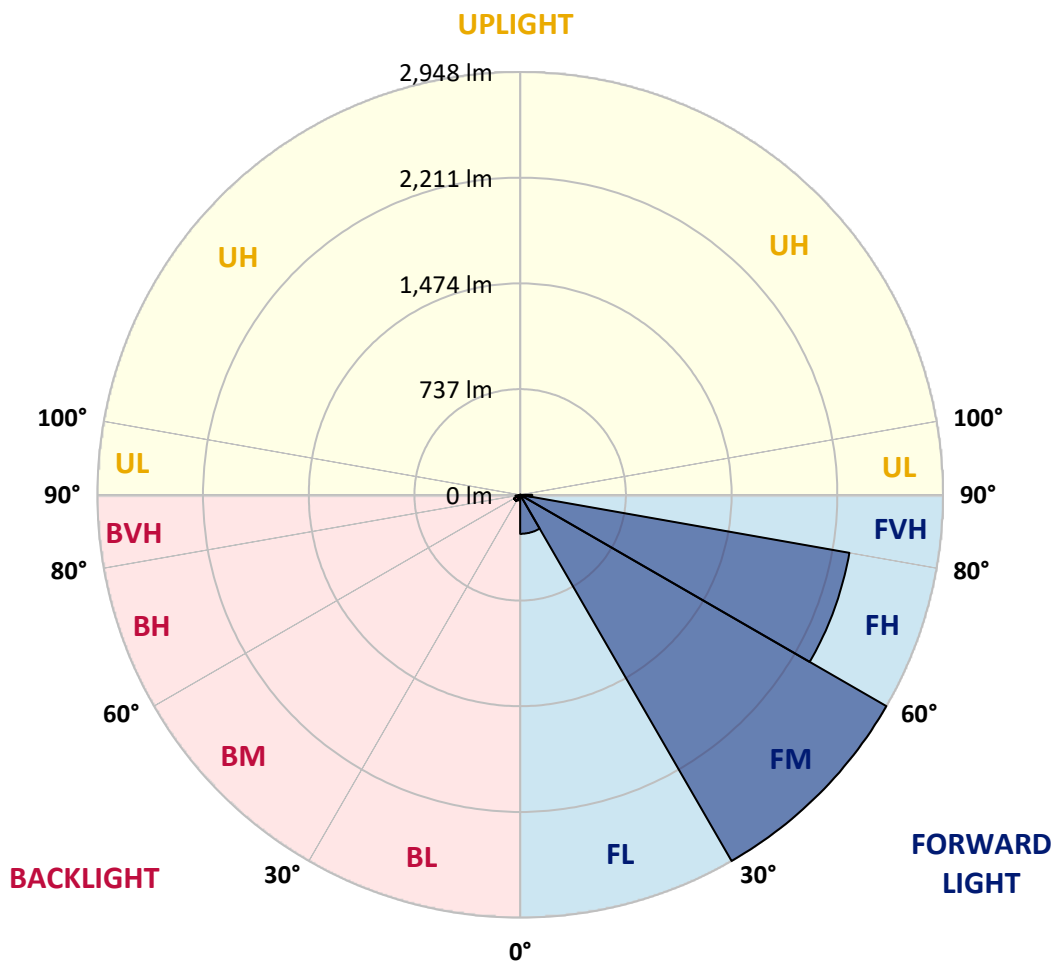
CATALOG NUMBER: MEM-F04-LED-E-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 272.0 | 4.7 | | | |
| FM | (30°-60°) | 2948.0 | 51.2 | | | |
| FH | (60°-80°) | 2330.6 | 40.5 | | | G2/5000 |
| FVH | (80°-90°) | 83.7 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 39.3 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 49.3 | 0.9 | B0/220 | | |
| BH | (60°-80°) | 33.5 | 0.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.2 | 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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 2.5° | 288.8 | 292.0 | 289.9 | 284.6 | 278.4 | 270.0 | 262.6 | 262.6 | 261.6 | 258.4 | 259.5 |
| 5° | 378.9 | 379.9 | 375.7 | 363.1 | 351.7 | 333.8 | 313.9 | 311.8 | 309.7 | 306.7 | 305.6 |
| 7.5° | 466.7 | 470.9 | 466.7 | 453.2 | 430.2 | 402.9 | 371.5 | 368.4 | 362.1 | 362.1 | 357.9 |
| 10° | 556.7 | 556.7 | 552.6 | 536.8 | 515.9 | 477.2 | 437.4 | 432.2 | 424.9 | 422.8 | 416.5 |
| 12.5° | 620.6 | 620.6 | 618.5 | 610.1 | 593.4 | 558.8 | 510.7 | 505.4 | 496.1 | 492.9 | 485.6 |
| 15° | 645.7 | 645.7 | 646.8 | 654.0 | 655.1 | 639.4 | 589.2 | 585.0 | 575.6 | 567.2 | 564.1 |
| 17.5° | 661.4 | 660.3 | 660.3 | 670.8 | 689.7 | 700.2 | 667.7 | 663.5 | 653.0 | 648.9 | 638.4 |
| 20° | 696.0 | 693.9 | 687.5 | 687.5 | 705.3 | 742.0 | 742.0 | 740.9 | 729.4 | 726.2 | 721.1 |
| 22.5° | 747.2 | 745.1 | 726.2 | 710.6 | 719.0 | 765.0 | 807.9 | 805.8 | 801.6 | 797.5 | 794.3 |
| 25° | 830.9 | 823.5 | 791.2 | 745.1 | 737.8 | 787.0 | 858.1 | 863.4 | 866.5 | 866.5 | 868.6 |
| 27.5° | 957.5 | 948.1 | 890.6 | 804.7 | 772.4 | 822.6 | 913.6 | 924.0 | 933.5 | 935.6 | 945.0 |
| 30° | 1133.4 | 1116.7 | 1034.0 | 908.4 | 834.1 | 874.8 | 995.3 | 1006.7 | 1020.3 | 1024.5 | 1039.2 |
| 32.5° | 1422.2 | 1412.7 | 1333.3 | 1144.8 | 985.8 | 977.4 | 1109.3 | 1123.9 | 1141.8 | 1149.0 | 1166.9 |
| 35° | 1861.7 | 1863.8 | 1799.0 | 1629.4 | 1409.7 | 1294.5 | 1313.4 | 1325.9 | 1332.2 | 1354.2 | 1363.5 |
| 37.5° | 2160.0 | 2165.2 | 2179.8 | 2112.9 | 1955.9 | 1838.7 | 1691.1 | 1704.8 | 1672.3 | 1675.5 | 1676.5 |
| 40° | 2323.2 | 2340.0 | 2425.8 | 2490.7 | 2478.1 | 2410.1 | 2291.9 | 2299.1 | 2238.5 | 2224.8 | 2158.9 |
| 42.5° | 2432.1 | 2454.0 | 2591.2 | 2792.0 | 2894.6 | 2956.4 | 2929.2 | 2926.0 | 2878.9 | 2861.2 | 2805.7 |
| 45° | 2500.1 | 2519.9 | 2692.6 | 2988.8 | 3225.3 | 3405.3 | 3479.6 | 3488.0 | 3448.3 | 3430.4 | 3384.4 |
| 47.5° | 2496.9 | 2519.9 | 2705.2 | 3062.0 | 3410.5 | 3698.4 | 3907.6 | 3918.1 | 3942.2 | 3926.5 | 3929.6 |
| 50° | 2358.8 | 2380.8 | 2567.1 | 2937.5 | 3356.1 | 3832.3 | 4215.4 | 4248.8 | 4287.6 | 4313.6 | 4326.2 |
| 52.5° | 2191.4 | 2207.1 | 2372.4 | 2724.0 | 3123.8 | 3776.8 | 4397.4 | 4455.0 | 4512.5 | 4561.7 | 4596.2 |
| 55° | 2129.6 | 2147.5 | 2277.2 | 2569.1 | 2937.5 | 3544.5 | 4482.2 | 4566.9 | 4648.6 | 4729.2 | 4795.1 |
| 57.5° | 2162.1 | 2178.8 | 2272.0 | 2495.9 | 2826.6 | 3299.6 | 4506.3 | 4638.1 | 4772.1 | 4902.8 | 5032.6 |
| 60° | 2281.4 | 2299.1 | 2378.7 | 2564.0 | 2797.3 | 3158.3 | 4412.0 | 4630.8 | 4853.6 | 5081.8 | 5296.3 |
| 62.5° | 2234.3 | 2241.6 | 2358.8 | 2683.2 | 3006.6 | 3038.0 | 4069.8 | 4375.4 | 4715.5 | 5067.2 | 5413.6 |
| 63° | 2189.3 | 2197.7 | 2317.0 | 2650.8 | 3070.4 | 3020.2 | 3964.2 | 4286.5 | 4645.4 | 5024.3 | 5401.0 |
| 65° | 1985.2 | 1986.2 | 2077.4 | 2341.1 | 2999.3 | 3051.6 | 3493.2 | 3800.9 | 4213.3 | 4667.4 | 5143.6 |
| 67.5° | 1481.9 | 1474.5 | 1562.4 | 1763.3 | 2354.6 | 3052.7 | 2998.2 | 3170.9 | 3457.6 | 3860.6 | 4287.6 |
| 70° | 525.4 | 513.8 | 656.1 | 934.5 | 1467.2 | 2496.9 | 2576.5 | 2588.0 | 2667.5 | 2885.2 | 3153.1 |
| 72.5° | 170.6 | 173.7 | 209.4 | 342.2 | 676.0 | 1680.7 | 2332.6 | 2297.1 | 2276.1 | 2275.1 | 2310.7 |
| 75° | 68.0 | 69.1 | 83.8 | 151.8 | 303.5 | 810.0 | 2042.8 | 2062.6 | 2070.0 | 2080.4 | 2092.0 |
| 77.5° | 32.5 | 35.6 | 47.1 | 84.8 | 150.7 | 400.8 | 1461.9 | 1630.5 | 1726.8 | 1801.1 | 1846.0 |
| 80° | 11.6 | 13.6 | 26.2 | 52.3 | 70.1 | 184.1 | 770.3 | 929.3 | 1070.5 | 1252.7 | 1409.7 |
| 82.5° | 0.0 | 0.0 | 5.3 | 36.7 | 38.7 | 74.3 | 316.0 | 370.5 | 423.9 | 549.4 | 705.3 |
| 85° | 0.0 | 0.0 | 0.0 | 10.5 | 11.6 | 12.5 | 106.8 | 128.7 | 144.4 | 168.5 | 194.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.2 | 6.3 | 15.7 | 24.1 |
| 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-F04-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 2.5° | 257.5 | 256.4 | 256.4 | 254.3 | 253.3 | 251.2 | 250.1 | 247.0 | 245.9 | 245.9 | 245.9 |
| 5° | 304.6 | 300.4 | 298.3 | 293.0 | 289.9 | 288.8 | 283.7 | 281.6 | 278.4 | 279.5 | 274.2 |
| 7.5° | 356.8 | 349.6 | 346.4 | 339.0 | 336.9 | 329.7 | 327.6 | 322.3 | 319.2 | 312.9 | 310.8 |
| 10° | 414.4 | 404.9 | 399.8 | 388.2 | 385.1 | 379.9 | 373.6 | 367.3 | 362.1 | 355.9 | 352.7 |
| 12.5° | 480.3 | 472.0 | 467.8 | 452.1 | 444.8 | 437.4 | 429.1 | 420.7 | 412.3 | 407.0 | 399.8 |
| 15° | 557.8 | 544.2 | 540.0 | 525.4 | 512.8 | 503.4 | 491.9 | 481.3 | 475.1 | 464.6 | 457.3 |
| 17.5° | 634.2 | 620.6 | 617.4 | 595.5 | 581.8 | 575.6 | 563.0 | 549.4 | 537.9 | 527.5 | 515.9 |
| 20° | 710.6 | 701.1 | 692.8 | 671.9 | 657.2 | 646.8 | 630.0 | 616.4 | 606.9 | 592.3 | 577.6 |
| 22.5° | 787.0 | 777.5 | 771.3 | 749.2 | 735.7 | 721.1 | 706.4 | 691.8 | 678.1 | 660.3 | 643.6 |
| 25° | 865.5 | 859.2 | 856.0 | 836.2 | 823.5 | 810.0 | 795.4 | 778.6 | 761.9 | 742.0 | 724.2 |
| 27.5° | 947.0 | 949.1 | 942.9 | 938.7 | 925.1 | 915.7 | 892.7 | 881.1 | 868.6 | 844.6 | 822.6 |
| 30° | 1050.7 | 1057.0 | 1054.9 | 1058.0 | 1049.6 | 1043.4 | 1025.5 | 1010.9 | 996.2 | 973.2 | 948.1 |
| 32.5° | 1181.5 | 1189.9 | 1194.0 | 1205.6 | 1201.4 | 1199.3 | 1194.0 | 1173.1 | 1162.7 | 1122.9 | 1112.5 |
| 35° | 1383.5 | 1379.3 | 1397.1 | 1406.5 | 1402.3 | 1400.2 | 1393.9 | 1382.5 | 1369.8 | 1341.6 | 1315.4 |
| 37.5° | 1646.1 | 1650.3 | 1656.7 | 1637.7 | 1625.2 | 1624.2 | 1605.4 | 1593.8 | 1576.0 | 1544.6 | 1513.2 |
| 40° | 2127.5 | 2101.3 | 2072.1 | 1992.5 | 1958.0 | 1938.1 | 1882.6 | 1867.0 | 1836.6 | 1793.7 | 1761.2 |
| 42.5° | 2753.3 | 2727.2 | 2639.3 | 2506.4 | 2435.2 | 2336.8 | 2291.9 | 2236.4 | 2193.5 | 2123.4 | 2085.7 |
| 45° | 3375.0 | 3299.6 | 3289.1 | 3134.2 | 3046.4 | 2916.6 | 2836.1 | 2742.8 | 2645.5 | 2553.5 | 2486.5 |
| 47.5° | 3899.2 | 3882.5 | 3831.2 | 3737.1 | 3655.4 | 3546.6 | 3443.0 | 3299.6 | 3199.2 | 3068.3 | 2948.0 |
| 50° | 4318.9 | 4317.8 | 4299.0 | 4244.6 | 4176.6 | 4088.7 | 3997.6 | 3876.2 | 3762.2 | 3602.0 | 3473.4 |
| 52.5° | 4632.8 | 4649.6 | 4655.9 | 4639.1 | 4613.0 | 4535.5 | 4489.5 | 4387.9 | 4291.7 | 4155.7 | 4016.5 |
| 55° | 4863.1 | 4924.9 | 4956.2 | 4991.8 | 4984.5 | 4957.3 | 4955.1 | 4889.3 | 4845.3 | 4737.5 | 4639.1 |
| 57.5° | 5147.8 | 5249.2 | 5346.5 | 5519.2 | 5525.5 | 5586.3 | 5617.6 | 5649.0 | 5657.4 | 5614.5 | 5582.1 |
| 60° | 5509.9 | 5717.0 | 5901.2 | 6262.2 | 6356.4 | 6505.0 | 6601.3 | 6706.0 | 6795.0 | 6802.2 | 6800.1 |
| 62.5° | 5765.1 | 6084.3 | 6381.5 | 6917.3 | 7100.5 | 7272.1 | 7400.9 | 7502.4 | 7564.1 | 7626.9 | 7656.2 |
| 63° | 5772.5 | 6122.0 | 6438.1 | 6990.7 | 7183.2 | 7346.4 | 7468.9 | 7563.0 | 7628.0 | 7665.6 | 7684.4 |
| 65° | 5595.6 | 6019.5 | 6396.2 | 6946.6 | 7127.7 | 7292.0 | 7355.9 | 7417.6 | 7449.0 | 7463.6 | 7408.2 |
| 67.5° | 4742.7 | 5157.1 | 5596.7 | 6212.0 | 6366.9 | 6563.7 | 6616.0 | 6647.3 | 6662.0 | 6658.9 | 6611.8 |
| 70° | 3546.6 | 3894.1 | 4382.8 | 5086.0 | 5291.1 | 5483.7 | 5603.0 | 5654.3 | 5671.0 | 5665.7 | 5595.6 |
| 72.5° | 2476.0 | 2680.1 | 3083.0 | 3865.8 | 4145.2 | 4392.1 | 4539.7 | 4616.1 | 4631.9 | 4600.4 | 4535.5 |
| 75° | 2079.4 | 2089.9 | 2180.9 | 2608.9 | 2870.5 | 3134.2 | 3300.7 | 3348.8 | 3317.4 | 3222.2 | 3056.9 |
| 77.5° | 1856.4 | 1879.6 | 1879.6 | 1943.4 | 1994.6 | 2067.9 | 2083.6 | 1966.4 | 1830.4 | 1654.6 | 1512.1 |
| 80° | 1557.2 | 1637.7 | 1694.3 | 1741.4 | 1746.6 | 1732.0 | 1693.2 | 1627.3 | 1522.7 | 1388.8 | 1240.2 |
| 82.5° | 946.1 | 1105.1 | 1169.9 | 1412.7 | 1532.1 | 1612.6 | 1606.4 | 1518.5 | 1438.9 | 1299.7 | 1173.1 |
| 85° | 238.6 | 257.5 | 279.5 | 363.1 | 407.0 | 497.1 | 553.7 | 579.7 | 589.2 | 541.0 | 489.8 |
| 87.5° | 23.0 | 15.7 | 26.2 | 19.9 | 28.3 | 20.9 | 28.3 | 26.2 | 32.5 | 34.6 | 37.6 |
| 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: MEM-F04-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 2.5° | 243.8 | 242.8 | 241.7 | 240.7 | 239.6 | 238.6 | 236.5 | 236.5 | 234.4 | 233.3 | 232.4 |
| 5° | 271.0 | 268.9 | 267.9 | 265.8 | 262.6 | 260.5 | 257.5 | 253.3 | 250.1 | 249.1 | 247.0 |
| 7.5° | 305.6 | 300.4 | 298.3 | 295.1 | 290.9 | 284.6 | 280.5 | 277.4 | 272.1 | 268.9 | 262.6 |
| 10° | 344.3 | 339.0 | 332.7 | 326.5 | 320.2 | 312.9 | 307.6 | 303.5 | 295.1 | 290.9 | 283.7 |
| 12.5° | 393.5 | 384.0 | 376.8 | 368.4 | 360.0 | 351.7 | 345.4 | 332.7 | 325.5 | 316.0 | 309.7 |
| 15° | 443.7 | 435.3 | 427.0 | 416.5 | 404.0 | 390.3 | 384.0 | 372.6 | 363.1 | 348.5 | 340.1 |
| 17.5° | 504.5 | 488.7 | 476.2 | 463.6 | 452.1 | 439.5 | 427.0 | 409.1 | 395.6 | 383.0 | 366.3 |
| 20° | 564.1 | 545.2 | 531.6 | 514.9 | 498.2 | 478.3 | 463.6 | 451.1 | 432.2 | 415.5 | 397.7 |
| 22.5° | 627.9 | 609.0 | 587.1 | 570.4 | 547.3 | 531.6 | 511.7 | 490.8 | 472.0 | 450.0 | 428.1 |
| 25° | 705.3 | 685.4 | 660.3 | 638.4 | 612.2 | 590.2 | 566.2 | 542.1 | 519.1 | 494.0 | 465.7 |
| 27.5° | 800.5 | 779.6 | 752.4 | 726.2 | 691.8 | 664.5 | 641.5 | 609.0 | 579.7 | 548.4 | 515.9 |
| 30° | 921.0 | 898.0 | 864.4 | 826.7 | 792.2 | 761.9 | 729.4 | 686.5 | 654.0 | 616.4 | 574.6 |
| 32.5° | 1077.9 | 1050.7 | 1005.7 | 970.2 | 927.2 | 887.4 | 842.5 | 799.5 | 753.4 | 704.3 | 656.1 |
| 35° | 1275.7 | 1250.6 | 1198.2 | 1145.9 | 1098.8 | 1051.7 | 995.3 | 946.1 | 881.1 | 821.5 | 759.8 |
| 37.5° | 1480.8 | 1435.8 | 1387.7 | 1331.2 | 1272.5 | 1216.1 | 1146.9 | 1078.9 | 1004.6 | 939.8 | 862.3 |
| 40° | 1715.2 | 1660.8 | 1621.0 | 1560.4 | 1477.7 | 1397.1 | 1333.3 | 1248.5 | 1155.3 | 1068.4 | 977.4 |
| 42.5° | 2036.5 | 1975.8 | 1904.7 | 1812.5 | 1752.9 | 1658.8 | 1576.0 | 1475.6 | 1353.1 | 1255.8 | 1145.9 |
| 45° | 2408.0 | 2325.3 | 2256.2 | 2167.3 | 2095.1 | 1977.8 | 1881.6 | 1747.7 | 1625.2 | 1497.5 | 1363.5 |
| 47.5° | 2831.9 | 2729.3 | 2628.8 | 2540.9 | 2425.8 | 2310.7 | 2188.2 | 2045.9 | 1888.9 | 1748.7 | 1589.6 |
| 50° | 3318.5 | 3173.0 | 3033.9 | 2920.8 | 2762.8 | 2629.9 | 2496.9 | 2336.8 | 2163.1 | 2002.0 | 1820.9 |
| 52.5° | 3859.5 | 3691.0 | 3506.8 | 3333.1 | 3150.0 | 2979.4 | 2819.2 | 2635.1 | 2441.5 | 2244.8 | 2042.8 |
| 55° | 4512.5 | 4385.8 | 4169.2 | 3948.4 | 3703.5 | 3475.5 | 3269.3 | 3041.1 | 2805.7 | 2547.1 | 2334.7 |
| 57.5° | 5535.0 | 5473.2 | 5292.2 | 5071.4 | 4752.2 | 4474.8 | 4125.3 | 3845.8 | 3504.7 | 3148.9 | 2874.7 |
| 60° | 6920.5 | 6844.2 | 6742.6 | 6563.7 | 6310.4 | 5933.7 | 5548.5 | 5114.3 | 4595.2 | 4102.3 | 3634.5 |
| 62.5° | 7659.3 | 7632.1 | 7549.5 | 7426.0 | 7189.4 | 6892.3 | 6504.0 | 6026.8 | 5440.8 | 4842.2 | 4245.6 |
| 63° | 7681.3 | 7646.8 | 7575.7 | 7450.1 | 7241.8 | 6954.0 | 6573.0 | 6109.4 | 5536.0 | 4925.9 | 4316.8 |
| 65° | 7384.2 | 7370.5 | 7298.3 | 7161.3 | 7018.8 | 6799.1 | 6504.0 | 6105.3 | 5623.9 | 5047.3 | 4441.3 |
| 67.5° | 6549.1 | 6508.2 | 6397.3 | 6355.4 | 6255.9 | 6103.2 | 5878.2 | 5604.0 | 5259.7 | 4806.5 | 4283.4 |
| 70° | 5539.2 | 5478.4 | 5339.3 | 5265.0 | 5143.6 | 5047.3 | 4910.2 | 4714.5 | 4502.1 | 4186.0 | 3795.7 |
| 72.5° | 4468.5 | 4343.0 | 4215.4 | 4021.7 | 3852.1 | 3680.5 | 3528.8 | 3390.7 | 3157.2 | 3029.7 | 2733.5 |
| 75° | 2902.0 | 2673.8 | 2455.1 | 2162.1 | 1898.4 | 1665.0 | 1437.8 | 1322.8 | 1083.1 | 985.8 | 846.7 |
| 77.5° | 1377.2 | 1249.5 | 1077.9 | 945.0 | 775.4 | 633.1 | 517.0 | 388.2 | 304.6 | 238.6 | 182.1 |
| 80° | 1111.4 | 1003.6 | 900.0 | 779.6 | 651.9 | 520.1 | 398.7 | 298.3 | 211.4 | 146.5 | 103.6 |
| 82.5° | 991.1 | 873.8 | 746.2 | 663.5 | 576.7 | 472.0 | 387.2 | 316.0 | 233.3 | 170.6 | 116.1 |
| 85° | 385.1 | 324.4 | 250.1 | 204.1 | 159.1 | 130.8 | 118.2 | 81.7 | 63.8 | 50.2 | 38.7 |
| 87.5° | 33.5 | 27.2 | 22.0 | 14.6 | 15.7 | 8.4 | 9.5 | 6.3 | 5.3 | 5.3 | 4.2 |
| 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-F04-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 2.5° | 231.3 | 230.3 | 229.2 | 227.1 | 227.1 | 225.0 | 224.0 | 222.9 | 217.7 | 206.2 | 196.7 |
| 5° | 242.8 | 240.7 | 238.6 | 235.4 | 233.3 | 230.3 | 228.2 | 225.0 | 213.5 | 191.5 | 172.7 |
| 7.5° | 259.5 | 255.4 | 252.2 | 245.9 | 242.8 | 238.6 | 235.4 | 230.3 | 211.4 | 177.9 | 151.8 |
| 10° | 279.5 | 272.1 | 266.8 | 259.5 | 253.3 | 248.0 | 242.8 | 235.4 | 209.4 | 163.2 | 132.9 |
| 12.5° | 303.5 | 295.1 | 284.6 | 276.3 | 267.9 | 260.5 | 253.3 | 243.8 | 206.2 | 150.7 | 118.2 |
| 15° | 327.6 | 315.0 | 307.6 | 296.2 | 284.6 | 274.2 | 263.7 | 255.4 | 207.3 | 137.0 | 105.7 |
| 17.5° | 354.8 | 342.2 | 326.5 | 313.9 | 301.4 | 287.8 | 275.2 | 258.4 | 202.0 | 126.6 | 96.3 |
| 20° | 381.0 | 363.1 | 348.5 | 332.7 | 315.0 | 298.3 | 282.5 | 267.9 | 197.8 | 116.1 | 87.9 |
| 22.5° | 409.1 | 388.2 | 369.4 | 349.6 | 327.6 | 308.7 | 289.9 | 271.0 | 190.4 | 106.8 | 80.6 |
| 25° | 443.7 | 419.7 | 392.4 | 368.4 | 345.4 | 322.3 | 298.3 | 275.2 | 183.2 | 98.4 | 75.4 |
| 27.5° | 485.6 | 454.1 | 427.0 | 396.6 | 364.2 | 334.8 | 308.7 | 283.7 | 175.8 | 92.1 | 70.1 |
| 30° | 538.9 | 502.4 | 463.6 | 424.9 | 390.3 | 356.8 | 320.2 | 288.8 | 168.5 | 85.9 | 64.8 |
| 32.5° | 610.1 | 564.1 | 517.0 | 472.0 | 426.0 | 383.0 | 344.3 | 303.5 | 164.3 | 80.6 | 59.7 |
| 35° | 704.3 | 644.7 | 587.1 | 530.5 | 475.1 | 422.8 | 372.6 | 326.5 | 164.3 | 74.3 | 53.4 |
| 37.5° | 793.3 | 724.2 | 651.0 | 580.8 | 514.9 | 454.1 | 394.5 | 339.0 | 156.0 | 69.1 | 48.1 |
| 40° | 889.5 | 806.8 | 721.1 | 638.4 | 558.8 | 483.5 | 415.5 | 351.7 | 148.6 | 62.7 | 42.9 |
| 42.5° | 1037.1 | 932.4 | 820.5 | 724.2 | 628.9 | 535.8 | 451.1 | 375.7 | 139.2 | 56.5 | 37.6 |
| 45° | 1230.7 | 1097.7 | 966.0 | 848.7 | 727.3 | 613.2 | 512.8 | 419.7 | 137.0 | 51.3 | 32.5 |
| 47.5° | 1437.8 | 1280.9 | 1126.0 | 976.4 | 834.1 | 701.1 | 580.8 | 468.8 | 137.0 | 46.0 | 28.3 |
| 50° | 1644.0 | 1447.3 | 1282.0 | 1108.3 | 948.1 | 791.2 | 647.8 | 520.1 | 138.1 | 41.8 | 23.0 |
| 52.5° | 1830.4 | 1620.0 | 1434.8 | 1233.8 | 1057.0 | 874.8 | 719.0 | 570.4 | 136.0 | 36.7 | 18.8 |
| 55° | 2088.8 | 1841.8 | 1627.3 | 1405.5 | 1198.2 | 993.2 | 816.3 | 645.7 | 137.0 | 32.5 | 15.7 |
| 57.5° | 2565.0 | 2275.1 | 2016.6 | 1725.7 | 1487.0 | 1222.3 | 1007.8 | 800.5 | 149.7 | 27.2 | 11.6 |
| 60° | 3248.4 | 2871.6 | 2508.5 | 2153.7 | 1850.2 | 1535.3 | 1256.9 | 1013.0 | 175.8 | 22.0 | 8.4 |
| 62.5° | 3707.7 | 3214.8 | 2781.6 | 2390.2 | 2037.5 | 1707.8 | 1404.4 | 1127.1 | 193.6 | 17.8 | 5.3 |
| 63° | 3754.8 | 3245.2 | 2809.9 | 2405.9 | 2045.9 | 1716.2 | 1410.7 | 1135.5 | 194.6 | 16.7 | 5.3 |
| 65° | 3843.8 | 3297.5 | 2825.6 | 2409.0 | 2037.5 | 1704.8 | 1406.5 | 1134.4 | 196.7 | 13.6 | 4.2 |
| 67.5° | 3742.3 | 3216.9 | 2734.5 | 2319.1 | 1964.3 | 1636.7 | 1354.2 | 1092.6 | 195.7 | 9.5 | 3.2 |
| 70° | 3346.7 | 2911.4 | 2487.6 | 2100.4 | 1778.0 | 1481.9 | 1232.8 | 996.2 | 180.0 | 6.3 | 2.1 |
| 72.5° | 2457.2 | 2161.0 | 1832.4 | 1553.0 | 1339.6 | 1112.5 | 949.1 | 748.3 | 139.2 | 4.2 | 1.1 |
| 75° | 728.3 | 663.5 | 557.8 | 491.9 | 434.3 | 358.9 | 319.2 | 249.1 | 71.2 | 2.1 | 0.0 |
| 77.5° | 145.5 | 131.9 | 118.2 | 107.8 | 101.5 | 86.8 | 82.7 | 68.0 | 29.3 | 1.1 | 0.0 |
| 80° | 76.4 | 62.7 | 53.4 | 47.1 | 40.8 | 33.5 | 28.3 | 23.0 | 5.3 | 0.0 | 0.0 |
| 82.5° | 73.3 | 49.2 | 35.6 | 29.3 | 25.1 | 19.9 | 15.7 | 11.6 | 3.2 | 0.0 | 0.0 |
| 85° | 27.2 | 20.9 | 15.7 | 12.5 | 10.5 | 9.5 | 7.4 | 6.3 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.2 | 3.2 | 3.2 | 2.1 | 2.1 | 1.1 | 1.1 | 1.1 | 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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CATALOG NUMBER: MEM-F04-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 2.5° | 187.3 | 179.0 | 174.8 | 169.5 | 169.5 | 168.5 | 170.6 |
| 5° | 156.0 | 144.4 | 136.0 | 129.8 | 130.8 | 127.7 | 128.7 |
| 7.5° | 131.9 | 120.3 | 113.0 | 108.9 | 107.8 | 106.8 | 106.8 |
| 10° | 114.0 | 103.6 | 97.3 | 94.2 | 93.1 | 93.1 | 93.1 |
| 12.5° | 101.5 | 91.0 | 85.9 | 83.8 | 83.8 | 82.7 | 82.7 |
| 15° | 91.0 | 82.7 | 77.5 | 75.4 | 75.4 | 74.3 | 75.4 |
| 17.5° | 82.7 | 74.3 | 70.1 | 68.0 | 68.0 | 66.9 | 66.9 |
| 20° | 75.4 | 68.0 | 63.8 | 60.6 | 60.6 | 59.7 | 60.6 |
| 22.5° | 69.1 | 61.7 | 56.5 | 54.4 | 53.4 | 52.3 | 53.4 |
| 25° | 62.7 | 55.5 | 50.2 | 47.1 | 46.0 | 46.0 | 45.0 |
| 27.5° | 57.6 | 50.2 | 43.9 | 40.8 | 39.7 | 39.7 | 38.7 |
| 30° | 52.3 | 43.9 | 37.6 | 34.6 | 33.5 | 33.5 | 33.5 |
| 32.5° | 47.1 | 37.6 | 32.5 | 29.3 | 28.3 | 28.3 | 28.3 |
| 35° | 41.8 | 32.5 | 27.2 | 24.1 | 23.0 | 23.0 | 23.0 |
| 37.5° | 35.6 | 27.2 | 20.9 | 18.8 | 17.8 | 16.7 | 16.7 |
| 40° | 30.4 | 20.9 | 15.7 | 13.6 | 11.6 | 11.6 | 11.6 |
| 42.5° | 25.1 | 16.7 | 11.6 | 8.4 | 7.4 | 6.3 | 7.4 |
| 45° | 20.9 | 12.5 | 7.4 | 4.2 | 3.2 | 3.2 | 3.2 |
| 47.5° | 16.7 | 8.4 | 3.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 50° | 12.5 | 5.3 | 1.1 | 0.0 | 0.0 | 1.1 | 1.1 |
| 52.5° | 9.5 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 5.3 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1.1 | 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)