

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: P140996

Luminaire Tested: **CEM-F02-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P140996
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33690)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CEM-F02-LED-E-U-SL2-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4875.6 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

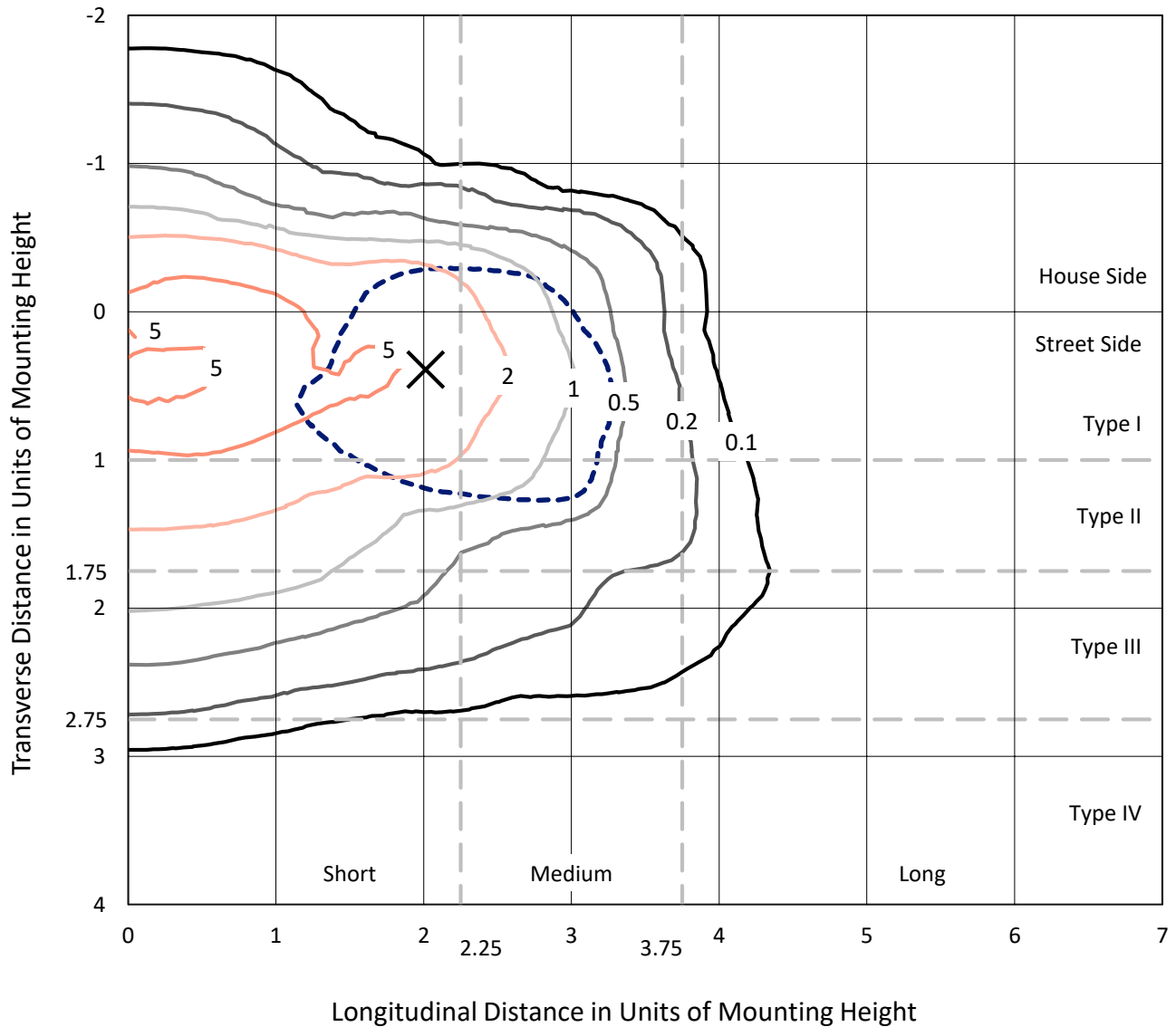
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P140996
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Iso-Footcandle Lines of Horizontal Illumination

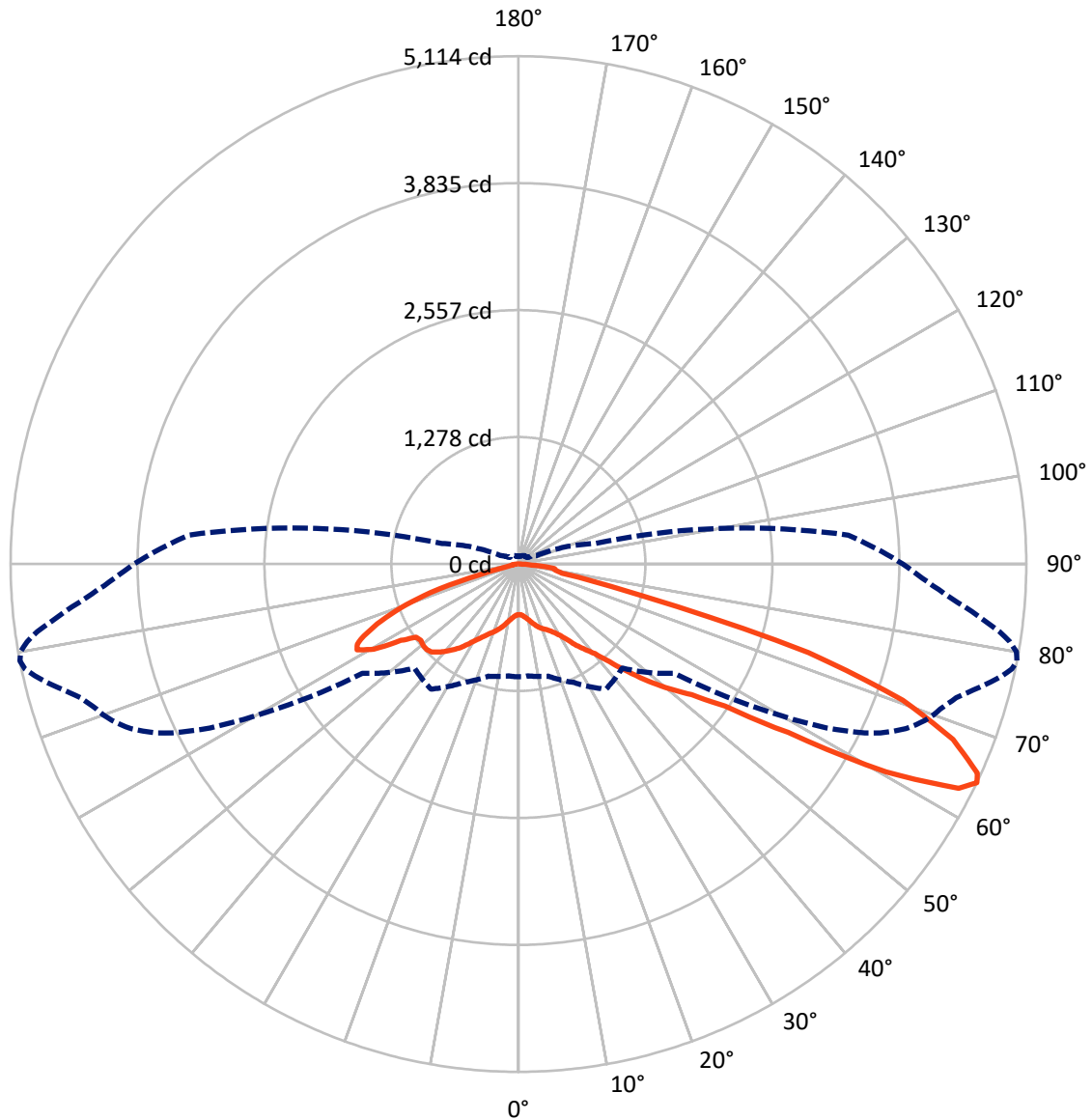
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1162.2 | 0.0 | 1162.2 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 3713.4 | 0.0 | 3713.4 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 4875.6 | 0.0 | 4875.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.5 | 1.0 |
| 10°-20° | 163.8 | 3.4 |
| 20°-30° | 281.1 | 5.8 |
| 30°-40° | 470.0 | 9.6 |
| 40°-50° | 805.1 | 16.5 |
| 50°-60° | 1086.0 | 22.3 |
| 60°-70° | 1373.7 | 28.2 |
| 70°-80° | 548.1 | 11.2 |
| 80°-90° | 97.2 | 2.0 |
| 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° | 4875.6 | 100.0 |
| 0°-180° | 4875.6 | 100.0 |



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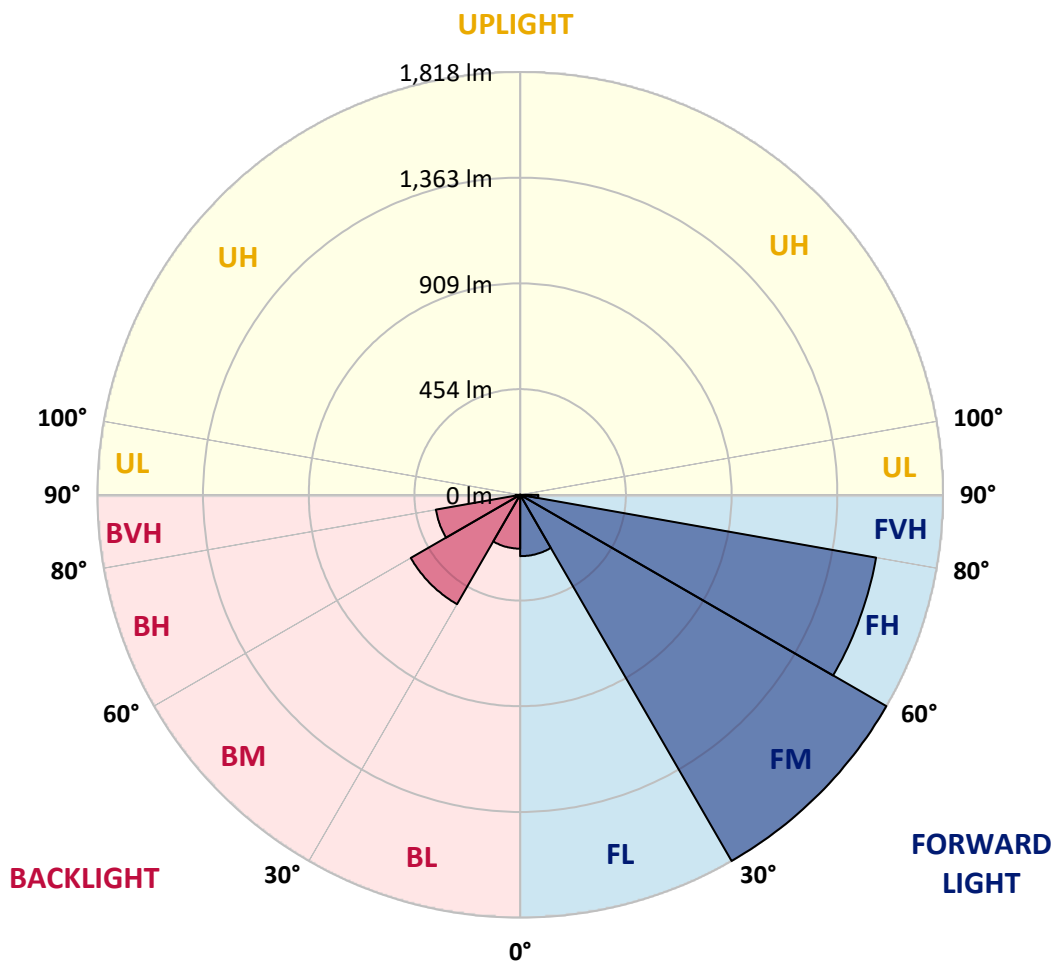
CATALOG NUMBER: CEM-F02-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 263.9 | 5.4 | | | |
| FM | (30°-60°) | 1817.9 | 37.3 | | | |
| FH | (60°-80°) | 1553.8 | 31.9 | | | G1/1800 |
| FVH | (80°-90°) | 77.9 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 231.6 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 543.1 | 11.1 | B1/1000 | | |
| BH | (60°-80°) | 368.1 | 7.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





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CATALOG NUMBER: CEM-F02-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 |
| 2.5° | 507.7 | 508.2 | 507.7 | 509.4 | 510.5 | 512.2 | 512.2 | 512.2 | 512.2 | 512.2 | 512.2 |
| 5° | 507.1 | 507.7 | 507.1 | 509.9 | 512.8 | 516.2 | 519.5 | 520.7 | 520.7 | 521.2 | 521.8 |
| 7.5° | 512.2 | 512.8 | 512.2 | 515.6 | 519.5 | 525.2 | 531.4 | 534.8 | 535.4 | 535.9 | 537.0 |
| 10° | 528.0 | 526.9 | 524.6 | 528.0 | 532.0 | 540.4 | 547.8 | 553.4 | 555.1 | 555.7 | 557.9 |
| 12.5° | 548.9 | 548.3 | 544.4 | 542.7 | 545.0 | 554.6 | 568.1 | 576.0 | 577.7 | 578.3 | 580.5 |
| 15° | 564.7 | 563.0 | 559.6 | 557.4 | 561.3 | 571.5 | 589.6 | 599.7 | 603.1 | 603.7 | 607.6 |
| 17.5° | 574.9 | 573.8 | 568.1 | 566.4 | 572.6 | 588.4 | 611.0 | 623.4 | 625.7 | 627.4 | 631.9 |
| 20° | 591.8 | 588.4 | 580.0 | 572.6 | 577.7 | 602.0 | 628.5 | 641.5 | 644.9 | 646.6 | 650.6 |
| 22.5° | 614.4 | 611.6 | 601.4 | 582.8 | 582.8 | 609.9 | 644.3 | 659.0 | 661.8 | 665.2 | 669.8 |
| 25° | 653.4 | 651.1 | 631.4 | 599.7 | 591.8 | 617.8 | 659.0 | 678.8 | 681.6 | 685.6 | 692.3 |
| 27.5° | 693.5 | 690.6 | 668.6 | 626.3 | 607.6 | 632.5 | 680.5 | 704.2 | 708.2 | 712.7 | 720.6 |
| 30° | 744.9 | 739.8 | 717.8 | 668.6 | 638.7 | 656.2 | 714.4 | 744.3 | 748.8 | 754.5 | 765.2 |
| 32.5° | 860.1 | 862.3 | 822.2 | 770.3 | 717.8 | 710.4 | 766.9 | 803.6 | 810.4 | 817.7 | 832.4 |
| 35° | 1047.6 | 1038.5 | 1023.8 | 970.7 | 912.6 | 855.0 | 869.1 | 908.6 | 916.0 | 918.2 | 924.4 |
| 37.5° | 1167.3 | 1172.4 | 1184.2 | 1184.2 | 1140.7 | 1116.4 | 1076.4 | 1057.2 | 1058.8 | 1061.1 | 1056.0 |
| 40° | 1233.9 | 1244.6 | 1285.3 | 1340.1 | 1379.6 | 1401.6 | 1394.9 | 1305.1 | 1294.3 | 1280.2 | 1235.0 |
| 42.5° | 1281.9 | 1292.6 | 1362.1 | 1467.1 | 1565.4 | 1643.3 | 1686.2 | 1615.7 | 1607.7 | 1573.9 | 1519.7 |
| 45° | 1311.3 | 1319.7 | 1403.3 | 1552.4 | 1700.9 | 1833.6 | 1951.1 | 1926.2 | 1924.0 | 1895.2 | 1824.0 |
| 47.5° | 1305.6 | 1313.0 | 1399.9 | 1579.5 | 1774.3 | 1954.5 | 2136.3 | 2181.5 | 2183.8 | 2176.4 | 2132.9 |
| 50° | 1222.0 | 1239.6 | 1326.0 | 1519.7 | 1733.7 | 2001.4 | 2256.0 | 2374.1 | 2377.5 | 2384.2 | 2367.3 |
| 52.5° | 1147.5 | 1161.1 | 1238.4 | 1411.8 | 1617.3 | 1955.1 | 2327.8 | 2515.2 | 2544.1 | 2560.4 | 2592.1 |
| 55° | 1117.0 | 1124.9 | 1184.2 | 1331.6 | 1521.3 | 1831.4 | 2352.0 | 2617.5 | 2668.9 | 2699.9 | 2772.2 |
| 57.5° | 1111.4 | 1117.6 | 1163.3 | 1275.7 | 1457.5 | 1703.8 | 2344.1 | 2754.7 | 2836.0 | 2894.7 | 3034.8 |
| 60° | 1149.2 | 1154.8 | 1187.0 | 1281.3 | 1413.5 | 1610.6 | 2271.9 | 2935.4 | 3049.5 | 3207.6 | 3433.5 |
| 62.5° | 1177.4 | 1180.3 | 1219.8 | 1351.9 | 1462.1 | 1519.7 | 2087.8 | 3061.9 | 3264.6 | 3465.7 | 3801.7 |
| 64° | 1136.2 | 1130.6 | 1169.5 | 1315.2 | 1537.2 | 1480.7 | 1917.2 | 3055.7 | 3293.4 | 3516.5 | 3880.2 |
| 65° | 1075.8 | 1079.7 | 1114.8 | 1243.5 | 1524.2 | 1479.0 | 1805.4 | 2987.9 | 3234.7 | 3471.3 | 3843.5 |
| 67.5° | 835.8 | 851.0 | 860.6 | 978.7 | 1248.6 | 1527.0 | 1511.7 | 2556.5 | 2804.4 | 3030.3 | 3470.2 |
| 70° | 449.5 | 447.8 | 469.3 | 562.5 | 868.5 | 1296.0 | 1297.2 | 1802.0 | 2076.5 | 2357.1 | 2794.8 |
| 72.5° | 165.5 | 173.9 | 190.9 | 256.9 | 451.2 | 935.2 | 1188.7 | 1249.7 | 1372.3 | 1595.3 | 2064.6 |
| 75° | 94.9 | 96.0 | 99.4 | 120.8 | 217.4 | 516.2 | 1104.6 | 1105.7 | 1114.8 | 1151.5 | 1406.7 |
| 77.5° | 74.0 | 71.7 | 73.4 | 78.5 | 118.6 | 271.6 | 886.0 | 1050.4 | 1049.2 | 1043.6 | 1080.9 |
| 80° | 55.3 | 57.6 | 61.0 | 61.0 | 73.4 | 145.7 | 503.7 | 934.6 | 966.2 | 989.9 | 1003.5 |
| 82.5° | 44.6 | 46.3 | 54.8 | 54.8 | 53.6 | 82.4 | 237.7 | 692.3 | 791.7 | 856.1 | 956.1 |
| 85° | 28.8 | 30.5 | 46.3 | 45.7 | 43.5 | 48.6 | 124.2 | 232.1 | 250.2 | 304.9 | 433.7 |
| 87.5° | 7.9 | 9.6 | 21.5 | 18.6 | 22.6 | 18.1 | 46.3 | 70.6 | 87.0 | 98.3 | 123.7 |
| 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: CEM-F02-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 |
| 2.5° | 512.2 | 512.2 | 512.2 | 512.8 | 512.8 | 512.8 | 512.8 | 512.8 | 513.3 | 512.2 | 512.2 |
| 5° | 522.4 | 521.8 | 522.4 | 522.4 | 524.1 | 523.5 | 524.1 | 524.1 | 523.5 | 524.6 | 524.6 |
| 7.5° | 538.7 | 537.6 | 538.7 | 539.3 | 539.9 | 542.1 | 542.1 | 543.3 | 543.8 | 544.4 | 543.3 |
| 10° | 558.5 | 560.2 | 560.8 | 560.8 | 563.6 | 564.7 | 564.7 | 566.4 | 568.1 | 569.2 | 568.7 |
| 12.5° | 582.8 | 583.9 | 584.5 | 587.9 | 588.4 | 590.1 | 593.0 | 594.6 | 594.6 | 597.5 | 599.2 |
| 15° | 609.9 | 611.0 | 614.4 | 615.5 | 617.8 | 620.6 | 622.3 | 624.0 | 624.0 | 629.1 | 630.8 |
| 17.5° | 633.0 | 635.3 | 637.6 | 639.3 | 643.2 | 646.0 | 648.9 | 650.6 | 653.4 | 655.6 | 659.6 |
| 20° | 652.8 | 655.6 | 658.5 | 661.8 | 664.7 | 667.5 | 670.9 | 673.1 | 676.5 | 679.9 | 683.9 |
| 22.5° | 672.0 | 675.4 | 678.8 | 681.6 | 685.6 | 688.4 | 691.2 | 695.2 | 697.4 | 700.8 | 705.3 |
| 25° | 692.9 | 698.6 | 701.9 | 705.9 | 709.8 | 713.8 | 717.2 | 720.6 | 724.0 | 728.5 | 733.0 |
| 27.5° | 726.2 | 729.0 | 733.6 | 735.8 | 742.6 | 747.1 | 751.6 | 752.2 | 756.7 | 765.2 | 766.3 |
| 30° | 769.7 | 774.8 | 777.6 | 785.5 | 786.7 | 788.3 | 795.7 | 800.8 | 806.4 | 813.2 | 816.0 |
| 32.5° | 835.2 | 839.7 | 843.7 | 845.9 | 852.2 | 862.3 | 863.5 | 868.0 | 877.6 | 879.3 | 889.4 |
| 35° | 931.2 | 932.3 | 938.6 | 941.9 | 949.9 | 955.5 | 958.3 | 962.3 | 967.4 | 979.2 | 982.0 |
| 37.5° | 1046.4 | 1056.0 | 1048.1 | 1040.2 | 1054.3 | 1052.6 | 1056.0 | 1051.5 | 1065.1 | 1065.6 | 1070.7 |
| 40° | 1225.4 | 1221.5 | 1204.5 | 1186.5 | 1178.0 | 1172.9 | 1162.8 | 1160.5 | 1167.8 | 1164.4 | 1166.1 |
| 42.5° | 1489.2 | 1451.9 | 1423.1 | 1401.6 | 1375.1 | 1346.3 | 1329.9 | 1305.1 | 1305.1 | 1297.7 | 1304.5 |
| 45° | 1799.2 | 1757.4 | 1703.8 | 1652.9 | 1620.2 | 1582.3 | 1543.4 | 1517.4 | 1490.9 | 1471.1 | 1488.6 |
| 47.5° | 2104.7 | 2076.5 | 2016.6 | 1969.7 | 1904.2 | 1847.8 | 1786.2 | 1732.6 | 1700.9 | 1677.8 | 1681.2 |
| 50° | 2370.1 | 2344.1 | 2313.1 | 2249.8 | 2200.1 | 2142.5 | 2077.6 | 2007.0 | 1938.7 | 1911.0 | 1887.3 |
| 52.5° | 2593.7 | 2584.7 | 2558.2 | 2528.8 | 2488.1 | 2426.6 | 2385.4 | 2318.2 | 2237.4 | 2179.2 | 2154.4 |
| 55° | 2791.4 | 2807.2 | 2821.3 | 2815.1 | 2800.4 | 2792.5 | 2741.7 | 2696.0 | 2641.2 | 2624.2 | 2572.9 |
| 57.5° | 3102.6 | 3148.3 | 3202.5 | 3232.4 | 3261.8 | 3329.0 | 3345.4 | 3327.9 | 3334.7 | 3330.1 | 3303.0 |
| 60° | 3543.0 | 3653.7 | 3748.6 | 3824.3 | 3905.0 | 3983.5 | 4076.1 | 4137.1 | 4162.5 | 4260.8 | 4259.1 |
| 62.5° | 3920.8 | 4068.2 | 4189.6 | 4280.6 | 4374.9 | 4446.0 | 4505.9 | 4566.9 | 4641.4 | 4712.6 | 4802.4 |
| 64° | 4023.6 | 4139.4 | 4238.2 | 4319.5 | 4387.3 | 4445.5 | 4491.2 | 4547.1 | 4608.7 | 4700.7 | 4800.1 |
| 65° | 3970.5 | 4101.0 | 4172.7 | 4246.1 | 4307.1 | 4352.3 | 4399.1 | 4450.0 | 4527.9 | 4600.8 | 4706.9 |
| 67.5° | 3609.7 | 3708.5 | 3812.4 | 3880.7 | 3939.5 | 3966.0 | 4010.1 | 4052.4 | 4095.9 | 4169.3 | 4302.0 |
| 70° | 3043.8 | 3154.5 | 3304.2 | 3368.5 | 3429.5 | 3439.1 | 3480.4 | 3512.0 | 3540.8 | 3638.5 | 3704.0 |
| 72.5° | 2283.7 | 2498.3 | 2645.1 | 2758.1 | 2770.5 | 2818.5 | 2835.4 | 2848.4 | 2881.2 | 2899.3 | 2919.0 |
| 75° | 1573.9 | 1767.0 | 1891.8 | 1934.7 | 1987.2 | 1961.8 | 1932.5 | 1829.1 | 1829.7 | 1742.2 | 1642.8 |
| 77.5° | 1107.4 | 1137.3 | 1138.5 | 1139.0 | 1069.6 | 1028.9 | 982.6 | 923.3 | 900.2 | 853.9 | 790.6 |
| 80° | 1004.1 | 1000.7 | 979.8 | 954.4 | 916.5 | 862.3 | 806.4 | 767.5 | 737.0 | 702.5 | 657.3 |
| 82.5° | 969.1 | 977.0 | 961.7 | 940.3 | 918.2 | 864.6 | 800.2 | 739.2 | 689.0 | 634.2 | 578.8 |
| 85° | 472.1 | 485.7 | 529.7 | 558.5 | 565.3 | 532.0 | 486.2 | 430.9 | 377.8 | 317.9 | 290.3 |
| 87.5° | 141.7 | 151.9 | 155.3 | 164.9 | 176.8 | 160.9 | 141.7 | 127.1 | 102.2 | 88.7 | 69.5 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 |
| 2.5° | 512.2 | 512.8 | 512.8 | 512.2 | 512.8 | 512.8 | 513.3 | 512.8 | 512.8 | 512.8 | 512.2 |
| 5° | 523.5 | 525.8 | 525.2 | 525.2 | 526.3 | 526.3 | 525.8 | 526.9 | 526.3 | 526.3 | 525.8 |
| 7.5° | 545.0 | 545.0 | 546.6 | 547.2 | 546.1 | 546.1 | 547.2 | 547.8 | 548.9 | 549.5 | 549.5 |
| 10° | 569.8 | 572.6 | 572.6 | 573.2 | 573.8 | 575.4 | 576.0 | 576.0 | 577.1 | 577.1 | 578.3 |
| 12.5° | 600.3 | 601.4 | 602.6 | 605.4 | 605.9 | 605.9 | 608.8 | 608.2 | 608.2 | 611.0 | 611.6 |
| 15° | 633.0 | 634.7 | 637.6 | 638.7 | 639.8 | 642.6 | 644.3 | 646.0 | 645.5 | 649.4 | 650.6 |
| 17.5° | 661.8 | 663.5 | 666.9 | 669.8 | 671.4 | 673.1 | 674.3 | 676.5 | 679.9 | 682.7 | 683.3 |
| 20° | 685.0 | 687.3 | 691.2 | 694.6 | 697.4 | 699.1 | 703.6 | 705.9 | 707.0 | 709.3 | 712.1 |
| 22.5° | 707.6 | 711.5 | 715.5 | 716.6 | 722.8 | 724.5 | 727.9 | 731.3 | 733.6 | 738.6 | 740.3 |
| 25° | 735.8 | 739.2 | 744.3 | 747.7 | 751.6 | 755.0 | 758.4 | 761.2 | 766.3 | 770.8 | 773.1 |
| 27.5° | 773.1 | 775.9 | 779.9 | 786.1 | 789.5 | 791.7 | 797.9 | 803.6 | 805.9 | 810.4 | 814.3 |
| 30° | 822.2 | 825.1 | 830.7 | 836.9 | 839.7 | 847.1 | 851.6 | 855.5 | 860.1 | 866.3 | 871.9 |
| 32.5° | 893.9 | 897.3 | 902.4 | 910.3 | 910.3 | 915.4 | 925.0 | 933.5 | 936.9 | 944.2 | 948.2 |
| 35° | 988.3 | 988.8 | 994.5 | 1006.3 | 1009.7 | 1008.6 | 1017.6 | 1025.5 | 1027.8 | 1039.1 | 1046.4 |
| 37.5° | 1079.7 | 1081.4 | 1088.2 | 1092.7 | 1098.9 | 1103.5 | 1109.7 | 1121.5 | 1121.5 | 1137.9 | 1144.7 |
| 40° | 1174.6 | 1183.1 | 1184.2 | 1185.3 | 1195.5 | 1213.6 | 1219.8 | 1231.6 | 1242.4 | 1258.2 | 1265.5 |
| 42.5° | 1312.4 | 1321.4 | 1332.2 | 1344.6 | 1359.8 | 1370.0 | 1381.9 | 1398.8 | 1403.3 | 1423.1 | 1428.2 |
| 45° | 1501.0 | 1511.7 | 1540.5 | 1543.4 | 1570.5 | 1584.0 | 1603.8 | 1626.4 | 1632.0 | 1645.0 | 1638.2 |
| 47.5° | 1689.1 | 1701.5 | 1733.1 | 1765.9 | 1790.7 | 1814.4 | 1820.1 | 1829.7 | 1838.2 | 1830.2 | 1832.5 |
| 50° | 1897.4 | 1915.5 | 1945.5 | 1974.3 | 1992.9 | 2020.0 | 2020.0 | 2022.3 | 2014.3 | 2001.4 | 1980.5 |
| 52.5° | 2141.4 | 2144.2 | 2163.4 | 2186.0 | 2203.0 | 2208.6 | 2208.6 | 2195.6 | 2176.4 | 2155.5 | 2114.9 |
| 55° | 2548.6 | 2517.5 | 2523.2 | 2523.2 | 2510.7 | 2500.6 | 2492.7 | 2461.0 | 2423.2 | 2385.4 | 2348.1 |
| 57.5° | 3282.1 | 3311.5 | 3224.0 | 3200.3 | 3201.4 | 3124.0 | 3092.4 | 3038.2 | 2997.5 | 2929.8 | 2872.7 |
| 60° | 4328.6 | 4308.2 | 4279.4 | 4252.3 | 4254.6 | 4152.4 | 4080.6 | 3999.9 | 3929.3 | 3780.2 | 3717.0 |
| 62.5° | 4882.5 | 4954.8 | 4996.1 | 4975.2 | 4927.2 | 4863.3 | 4745.9 | 4623.3 | 4499.1 | 4372.6 | 4259.1 |
| 64° | 4902.9 | 4998.3 | 5079.6 | 5113.5 | 5090.9 | 5010.2 | 4890.4 | 4738.0 | 4590.0 | 4440.9 | 4303.7 |
| 65° | 4804.6 | 4925.5 | 5030.5 | 5077.9 | 5079.1 | 5007.9 | 4888.2 | 4734.6 | 4576.5 | 4403.7 | 4260.8 |
| 67.5° | 4396.9 | 4535.8 | 4639.2 | 4718.8 | 4787.1 | 4751.0 | 4668.0 | 4504.7 | 4355.1 | 4159.1 | 4002.7 |
| 70° | 3785.3 | 3871.1 | 3987.5 | 4103.8 | 4158.6 | 4167.0 | 4136.0 | 4053.5 | 3878.5 | 3719.2 | 3517.6 |
| 72.5° | 2917.3 | 3050.6 | 2982.3 | 3054.0 | 3099.7 | 3055.1 | 3060.8 | 2920.2 | 2863.7 | 2723.6 | 2581.9 |
| 75° | 1545.1 | 1549.6 | 1520.2 | 1306.8 | 1280.2 | 1182.5 | 1290.9 | 1097.2 | 1031.2 | 970.2 | 891.7 |
| 77.5° | 716.6 | 624.0 | 537.6 | 449.0 | 367.1 | 321.3 | 250.7 | 220.8 | 198.8 | 175.1 | 180.1 |
| 80° | 599.2 | 528.0 | 452.3 | 375.0 | 315.1 | 254.7 | 204.4 | 158.7 | 127.1 | 106.7 | 97.1 |
| 82.5° | 530.3 | 467.6 | 415.1 | 367.6 | 324.7 | 265.4 | 218.0 | 168.3 | 129.3 | 97.7 | 75.7 |
| 85° | 239.4 | 187.5 | 170.5 | 134.4 | 114.1 | 97.1 | 77.4 | 63.8 | 52.5 | 44.6 | 35.0 |
| 87.5° | 55.9 | 38.4 | 32.8 | 31.1 | 27.1 | 25.4 | 21.5 | 22.6 | 18.6 | 14.7 | 15.2 |
| 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: P140996

CATALOG NUMBER: CEM-F02-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 | 509.9 |
| 2.5° | 512.2 | 512.2 | 512.8 | 512.8 | 513.3 | 514.5 | 516.2 | 514.5 | 514.5 | 514.5 | 515.0 |
| 5° | 526.9 | 527.4 | 526.9 | 526.9 | 528.0 | 529.7 | 530.3 | 526.9 | 525.2 | 523.5 | 521.2 |
| 7.5° | 548.3 | 550.6 | 550.0 | 550.0 | 551.2 | 551.2 | 550.0 | 545.0 | 539.9 | 532.0 | 525.2 |
| 10° | 578.3 | 579.4 | 579.4 | 579.4 | 581.1 | 582.2 | 577.1 | 565.8 | 552.3 | 538.2 | 525.8 |
| 12.5° | 613.8 | 613.3 | 615.0 | 616.7 | 615.5 | 615.5 | 605.9 | 588.4 | 566.4 | 543.3 | 521.8 |
| 15° | 651.1 | 651.7 | 651.7 | 654.5 | 655.1 | 652.8 | 637.6 | 610.5 | 576.6 | 541.6 | 507.1 |
| 17.5° | 686.1 | 687.3 | 687.8 | 690.1 | 692.9 | 686.7 | 664.7 | 628.0 | 578.3 | 525.8 | 479.4 |
| 20° | 715.5 | 717.2 | 718.9 | 720.6 | 723.4 | 718.9 | 689.5 | 636.4 | 569.2 | 500.3 | 447.3 |
| 22.5° | 742.0 | 744.9 | 746.0 | 748.8 | 753.3 | 747.7 | 712.1 | 636.4 | 548.9 | 472.7 | 411.1 |
| 25° | 774.2 | 777.6 | 783.3 | 784.4 | 792.3 | 786.1 | 730.2 | 631.9 | 525.8 | 437.7 | 372.1 |
| 27.5° | 816.6 | 820.0 | 825.1 | 827.9 | 837.5 | 829.0 | 743.7 | 620.1 | 497.0 | 399.8 | 334.3 |
| 30° | 872.5 | 875.9 | 882.1 | 884.9 | 902.4 | 874.2 | 752.8 | 602.0 | 463.6 | 355.8 | 290.8 |
| 32.5° | 950.4 | 959.5 | 958.9 | 966.2 | 982.0 | 924.4 | 756.7 | 576.6 | 421.8 | 311.2 | 250.2 |
| 35° | 1052.6 | 1058.8 | 1064.5 | 1074.7 | 1082.0 | 978.1 | 753.9 | 543.3 | 369.9 | 264.9 | 214.6 |
| 37.5° | 1150.9 | 1161.6 | 1165.6 | 1172.4 | 1170.7 | 1014.2 | 742.6 | 491.3 | 313.4 | 223.6 | 190.3 |
| 40° | 1273.4 | 1279.6 | 1292.1 | 1298.3 | 1268.4 | 1048.7 | 716.1 | 421.8 | 256.9 | 196.5 | 174.5 |
| 42.5° | 1436.6 | 1444.5 | 1438.3 | 1436.6 | 1379.0 | 1067.9 | 665.2 | 352.4 | 215.2 | 176.8 | 161.5 |
| 45° | 1634.9 | 1638.2 | 1619.6 | 1607.2 | 1506.7 | 1066.2 | 591.3 | 286.9 | 186.4 | 162.1 | 150.2 |
| 47.5° | 1813.9 | 1807.1 | 1782.8 | 1764.2 | 1617.3 | 1026.7 | 498.6 | 236.6 | 171.1 | 150.2 | 141.2 |
| 50° | 1961.8 | 1931.9 | 1905.9 | 1882.2 | 1706.0 | 966.2 | 410.0 | 199.3 | 156.4 | 140.6 | 132.1 |
| 52.5° | 2095.7 | 2055.0 | 2024.5 | 1984.4 | 1786.8 | 886.6 | 339.4 | 173.9 | 141.7 | 131.0 | 122.5 |
| 55° | 2293.9 | 2246.4 | 2207.5 | 2167.9 | 1929.6 | 824.5 | 293.7 | 154.7 | 127.1 | 120.8 | 112.9 |
| 57.5° | 2862.6 | 2735.5 | 2701.0 | 2665.5 | 2312.5 | 810.9 | 267.1 | 139.5 | 115.8 | 111.2 | 106.2 |
| 60° | 3640.2 | 3557.7 | 3502.4 | 3415.4 | 2948.4 | 854.4 | 247.3 | 128.2 | 107.9 | 105.0 | 100.5 |
| 62.5° | 4147.3 | 4047.9 | 3956.4 | 3867.7 | 3321.7 | 853.3 | 223.1 | 120.8 | 103.3 | 102.8 | 96.0 |
| 64° | 4179.5 | 4068.2 | 3966.0 | 3870.6 | 3333.5 | 797.4 | 201.0 | 115.8 | 103.3 | 103.3 | 93.2 |
| 65° | 4126.4 | 4014.6 | 3909.0 | 3809.6 | 3265.8 | 754.5 | 186.4 | 113.5 | 105.0 | 104.5 | 91.5 |
| 67.5° | 3855.9 | 3743.5 | 3624.9 | 3518.2 | 2978.9 | 591.3 | 147.4 | 109.6 | 114.1 | 110.1 | 89.8 |
| 70° | 3377.6 | 3249.9 | 3160.7 | 3083.9 | 2557.0 | 412.8 | 116.9 | 111.8 | 124.8 | 116.9 | 94.3 |
| 72.5° | 2448.0 | 2344.1 | 2343.0 | 2256.0 | 1935.9 | 262.0 | 94.3 | 111.2 | 124.2 | 115.8 | 97.7 |
| 75° | 951.0 | 815.5 | 810.9 | 841.4 | 823.4 | 141.7 | 81.3 | 98.3 | 101.6 | 96.6 | 86.4 |
| 77.5° | 162.6 | 159.8 | 158.1 | 166.6 | 183.5 | 78.5 | 74.5 | 83.6 | 75.7 | 68.3 | 71.7 |
| 80° | 90.4 | 86.4 | 85.3 | 85.3 | 80.2 | 64.4 | 66.1 | 66.6 | 54.8 | 50.8 | 59.3 |
| 82.5° | 62.7 | 58.2 | 55.9 | 54.2 | 52.5 | 57.6 | 58.7 | 52.5 | 39.5 | 39.0 | 55.3 |
| 85° | 30.5 | 28.8 | 28.2 | 28.2 | 32.2 | 54.2 | 48.6 | 40.7 | 26.5 | 26.5 | 59.9 |
| 87.5° | 13.0 | 13.0 | 11.3 | 11.3 | 17.5 | 34.4 | 22.0 | 16.9 | 10.7 | 12.4 | 24.3 |
| 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: P140996

CATALOG NUMBER: CEM-F02-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 509.9 | 509.9 | 509.9 |
| 2.5° | 514.5 | 515.6 | 515.0 |
| 5° | 518.4 | 518.4 | 517.3 |
| 7.5° | 517.8 | 515.6 | 514.5 |
| 10° | 514.5 | 508.2 | 507.7 |
| 12.5° | 505.4 | 495.3 | 492.4 |
| 15° | 479.4 | 465.9 | 462.5 |
| 17.5° | 446.7 | 430.9 | 426.4 |
| 20° | 409.4 | 391.3 | 385.1 |
| 22.5° | 373.3 | 352.4 | 346.2 |
| 25° | 333.7 | 312.9 | 309.5 |
| 27.5° | 290.3 | 270.5 | 265.4 |
| 30° | 250.2 | 233.2 | 229.3 |
| 32.5° | 214.0 | 202.2 | 202.2 |
| 35° | 190.3 | 180.1 | 180.1 |
| 37.5° | 171.7 | 167.2 | 166.6 |
| 40° | 159.3 | 155.3 | 154.7 |
| 42.5° | 149.7 | 145.1 | 144.6 |
| 45° | 139.5 | 135.0 | 135.0 |
| 47.5° | 129.9 | 124.8 | 125.4 |
| 50° | 120.3 | 116.3 | 116.3 |
| 52.5° | 112.4 | 108.4 | 107.9 |
| 55° | 105.0 | 101.1 | 100.5 |
| 57.5° | 98.3 | 93.7 | 93.2 |
| 60° | 91.5 | 87.0 | 85.8 |
| 62.5° | 85.8 | 80.8 | 79.6 |
| 64° | 82.4 | 77.4 | 76.2 |
| 65° | 80.8 | 75.1 | 74.5 |
| 67.5° | 79.1 | 71.7 | 71.2 |
| 70° | 85.3 | 70.6 | 67.8 |
| 72.5° | 85.8 | 68.9 | 65.5 |
| 75° | 81.3 | 65.5 | 62.7 |
| 77.5° | 71.7 | 59.9 | 56.5 |
| 80° | 68.9 | 46.9 | 41.2 |
| 82.5° | 63.2 | 38.4 | 32.2 |
| 85° | 52.0 | 24.8 | 23.2 |
| 87.5° | 29.9 | 16.4 | 11.9 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)