

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: P150205

Luminaire Tested: **TMU-F02-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P150205
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F02-LED-E-U-SL2
Description: TALON MEDIUM LED AREA LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5044.1 lumens
Efficiency: N/A
Efficacy: 91.7 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

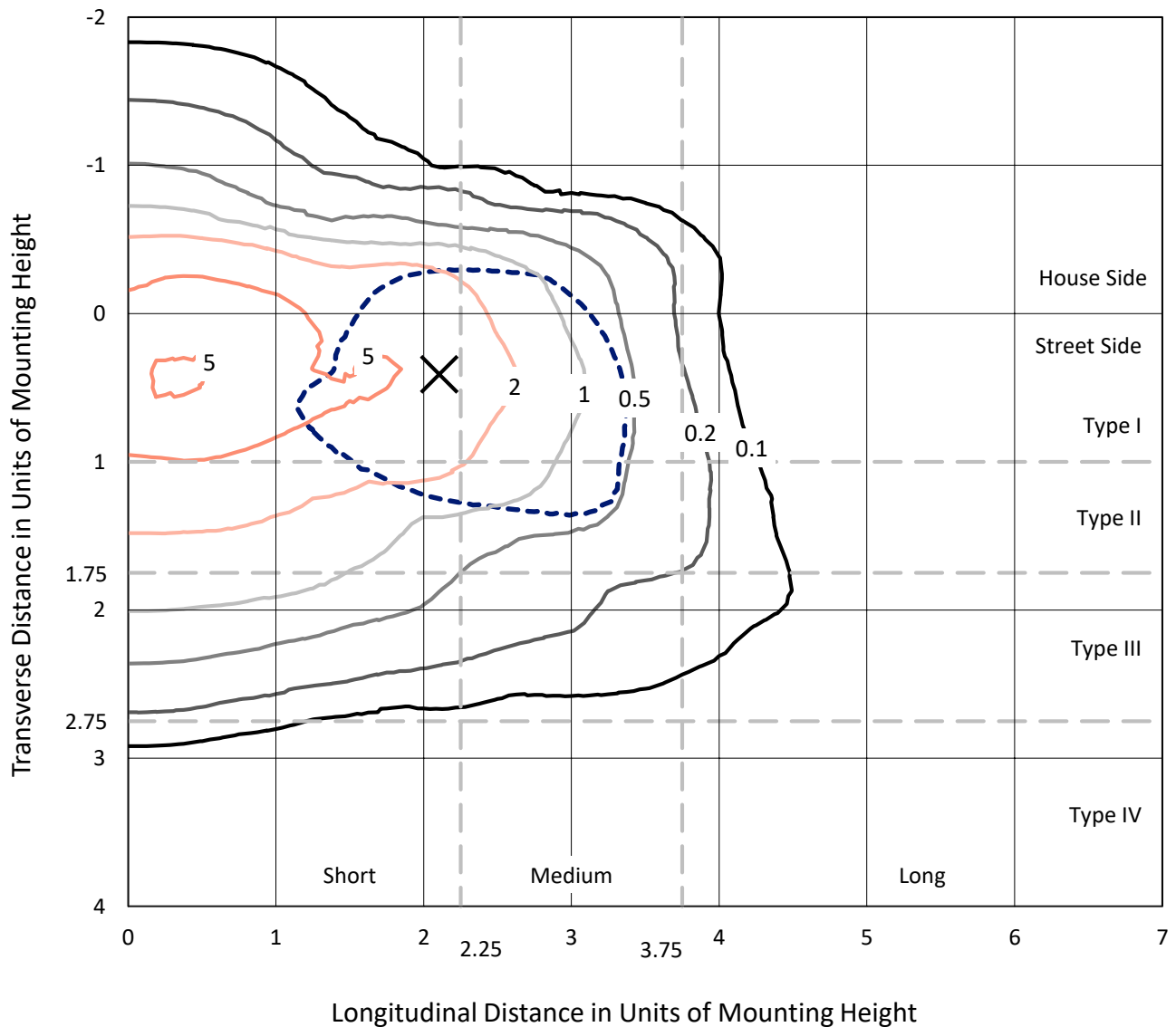
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

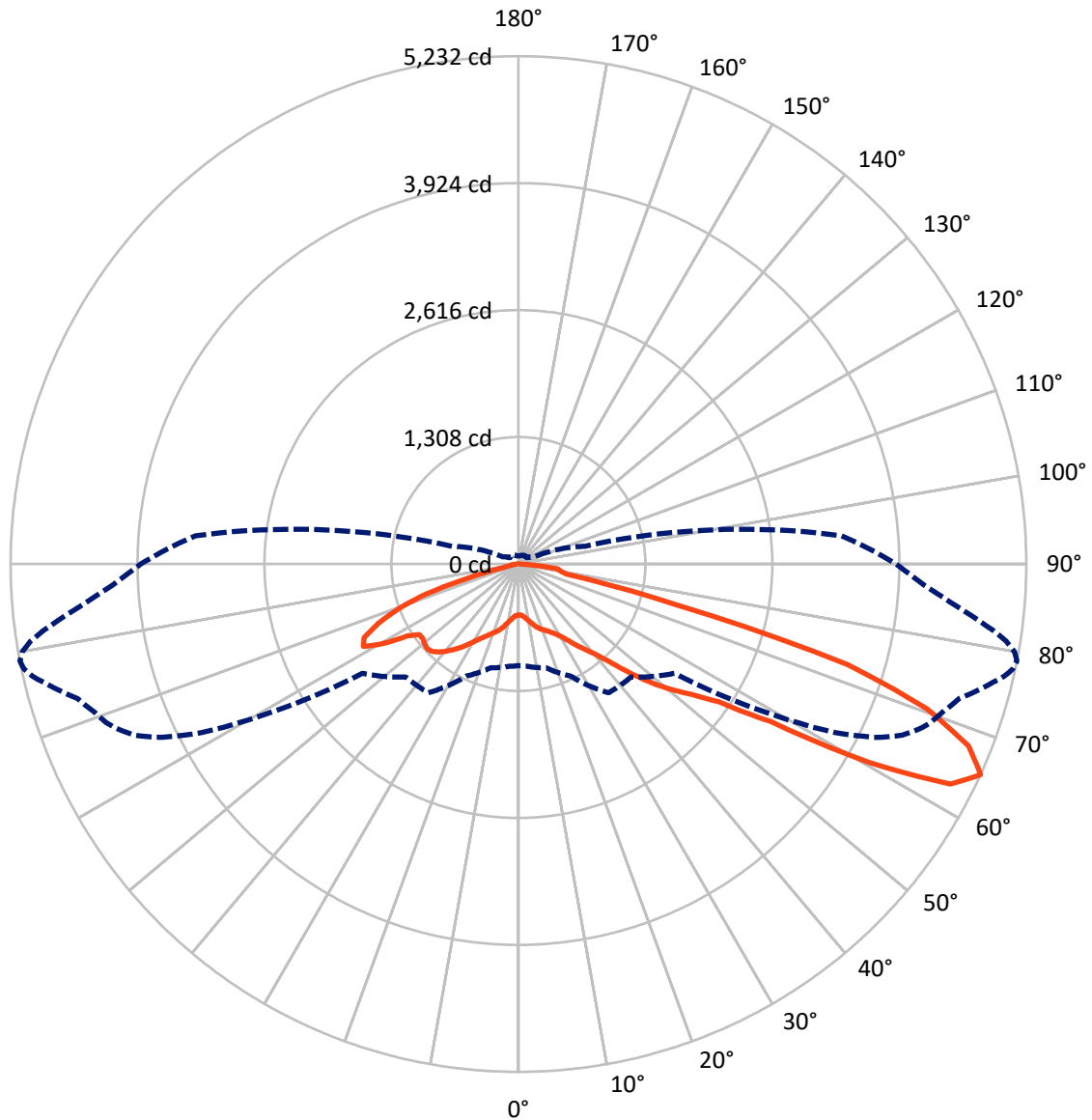
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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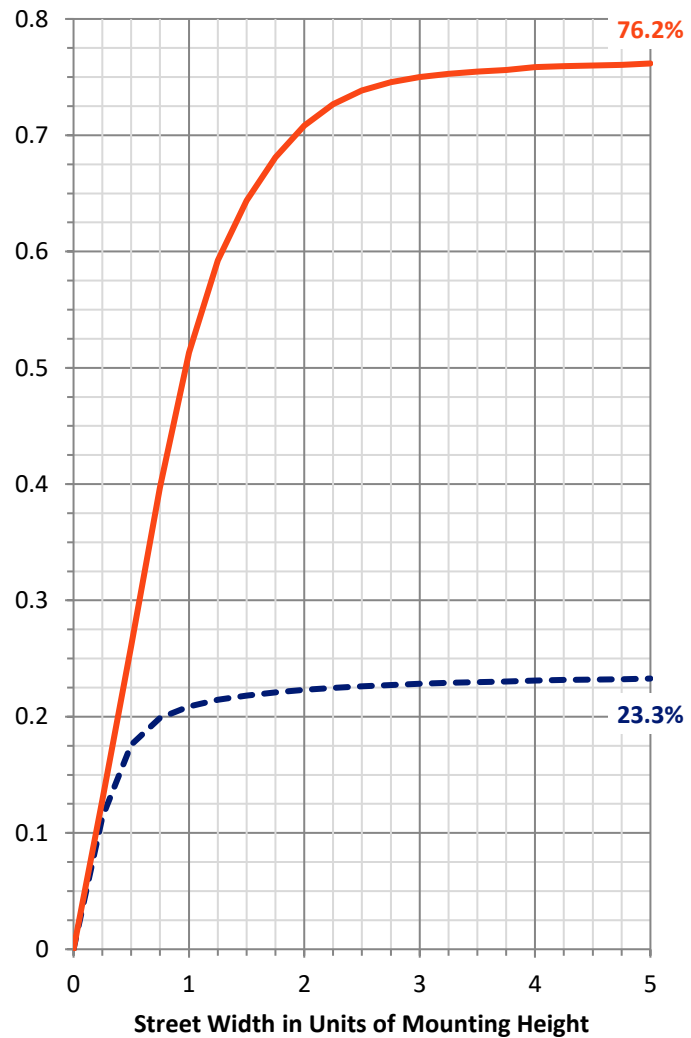
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1192.4 | 0.0 | 1192.4 |
| | % Fixture | 23.6 | 0.0 | 23.6 |
| Street Side | Lumens | 3851.7 | 0.0 | 3851.7 |
| | % Fixture | 76.4 | 0.0 | 76.4 |
| Total | Lumens | 5044.1 | 0.0 | 5044.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.2 | 1.0 |
| 10°-20° | 170.7 | 3.4 |
| 20°-30° | 294.8 | 5.8 |
| 30°-40° | 487.9 | 9.7 |
| 40°-50° | 827.5 | 16.4 |
| 50°-60° | 1099.5 | 21.8 |
| 60°-70° | 1420.3 | 28.2 |
| 70°-80° | 595.7 | 11.8 |
| 80°-90° | 95.7 | 1.9 |
| 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° | 5044.1 | 100.0 |
| 0°-180° | 5044.1 | 100.0 |



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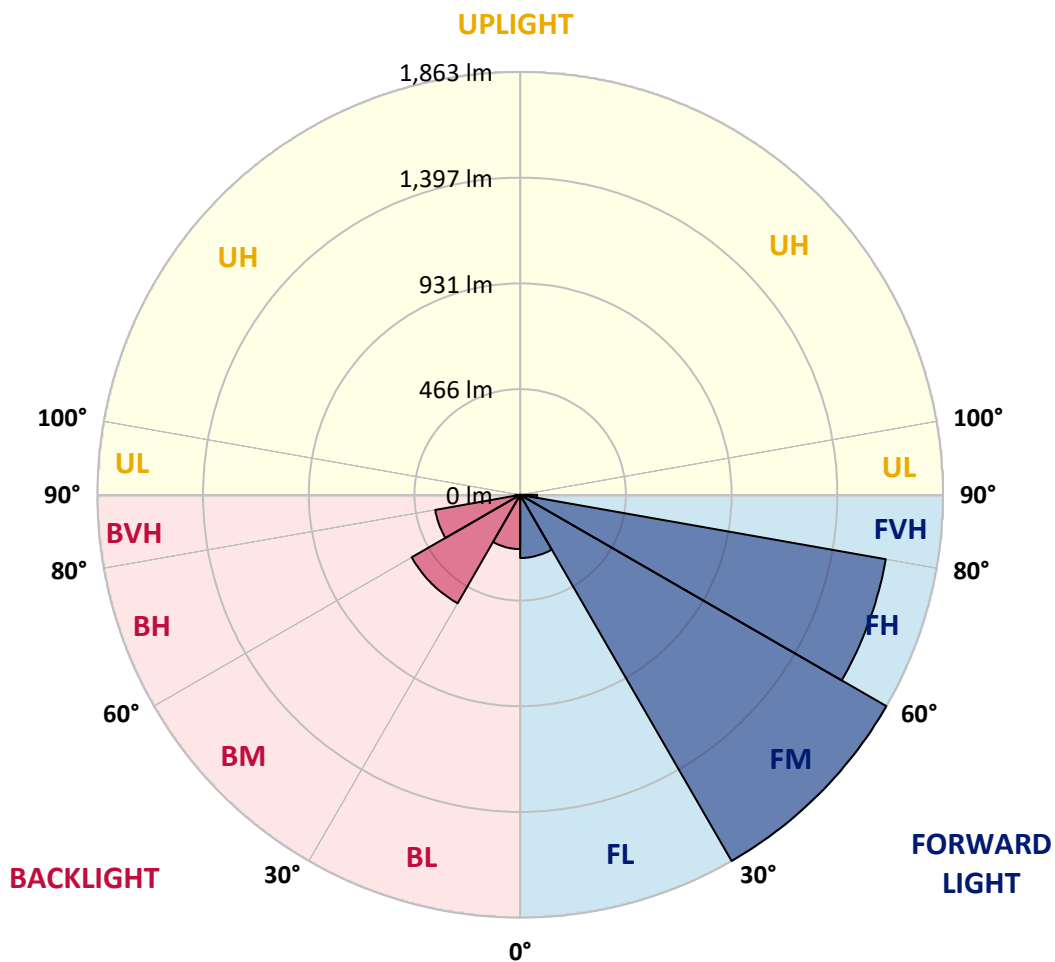
CATALOG NUMBER: TMU-F02-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 278.3 | 5.5 | | | |
| FM | (30°-60°) | 1862.9 | 36.9 | | | |
| FH | (60°-80°) | 1635.6 | 32.4 | | | G1/1800 |
| FVH | (80°-90°) | 74.8 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 239.3 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 552.0 | 10.9 | B1/1000 | | |
| BH | (60°-80°) | 380.3 | 7.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 20.9 | 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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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 |
| 2.5° | 523.4 | 525.0 | 523.9 | 525.0 | 526.1 | 526.7 | 527.8 | 527.2 | 527.2 | 527.8 | 526.7 |
| 5° | 523.4 | 523.4 | 525.0 | 527.8 | 528.9 | 532.2 | 536.0 | 535.5 | 536.0 | 535.5 | 536.6 |
| 7.5° | 534.4 | 533.8 | 535.5 | 538.8 | 539.9 | 544.8 | 551.5 | 552.6 | 553.7 | 553.7 | 555.3 |
| 10° | 553.7 | 553.1 | 554.8 | 556.4 | 558.1 | 561.9 | 571.3 | 575.1 | 575.7 | 576.2 | 578.4 |
| 12.5° | 577.9 | 577.3 | 575.1 | 575.1 | 574.6 | 581.7 | 594.4 | 601.5 | 602.6 | 604.8 | 606.5 |
| 15° | 594.9 | 593.3 | 590.0 | 587.8 | 590.5 | 602.1 | 620.8 | 629.0 | 630.2 | 631.8 | 636.2 |
| 17.5° | 611.4 | 609.8 | 602.6 | 597.1 | 601.0 | 619.7 | 645.0 | 653.8 | 656.0 | 657.7 | 662.6 |
| 20° | 634.6 | 633.5 | 623.0 | 609.8 | 608.7 | 632.9 | 663.7 | 675.3 | 676.9 | 679.1 | 684.1 |
| 22.5° | 669.8 | 664.8 | 652.7 | 627.9 | 615.8 | 640.6 | 676.9 | 692.9 | 695.1 | 697.3 | 703.9 |
| 25° | 713.8 | 711.6 | 690.7 | 652.7 | 627.4 | 648.3 | 691.2 | 711.1 | 714.4 | 717.1 | 725.9 |
| 27.5° | 759.5 | 756.2 | 733.6 | 684.1 | 647.8 | 663.7 | 713.8 | 736.4 | 740.8 | 745.2 | 753.4 |
| 30° | 800.2 | 799.1 | 780.4 | 726.5 | 680.8 | 692.9 | 750.1 | 777.6 | 782.6 | 788.1 | 795.8 |
| 32.5° | 896.0 | 896.5 | 877.3 | 822.2 | 760.6 | 745.7 | 802.4 | 843.7 | 845.9 | 852.5 | 866.3 |
| 35° | 1079.2 | 1081.4 | 1074.3 | 1030.8 | 961.5 | 900.4 | 905.9 | 946.6 | 948.8 | 954.3 | 967.5 |
| 37.5° | 1202.0 | 1206.4 | 1228.4 | 1242.1 | 1206.9 | 1178.8 | 1109.0 | 1093.0 | 1094.6 | 1091.3 | 1088.6 |
| 40° | 1269.7 | 1276.3 | 1334.0 | 1405.6 | 1444.1 | 1444.7 | 1414.4 | 1344.0 | 1317.0 | 1309.3 | 1276.3 |
| 42.5° | 1308.2 | 1319.2 | 1401.2 | 1523.4 | 1634.0 | 1709.9 | 1728.6 | 1650.5 | 1630.7 | 1595.5 | 1532.2 |
| 45° | 1333.5 | 1346.7 | 1443.6 | 1610.9 | 1773.8 | 1903.1 | 2000.5 | 1965.9 | 1952.6 | 1931.2 | 1872.8 |
| 47.5° | 1329.1 | 1339.6 | 1440.3 | 1640.6 | 1847.0 | 2030.8 | 2203.6 | 2239.4 | 2223.4 | 2217.9 | 2178.3 |
| 50° | 1248.7 | 1258.1 | 1360.5 | 1566.8 | 1806.8 | 2079.2 | 2332.4 | 2433.6 | 2433.6 | 2444.1 | 2432.0 |
| 52.5° | 1162.9 | 1170.6 | 1263.6 | 1449.1 | 1676.9 | 2031.9 | 2403.9 | 2571.8 | 2593.8 | 2612.0 | 2640.6 |
| 55° | 1130.4 | 1139.8 | 1210.2 | 1368.7 | 1566.3 | 1896.5 | 2428.1 | 2675.3 | 2716.0 | 2746.8 | 2811.7 |
| 57.5° | 1145.8 | 1155.2 | 1205.3 | 1325.2 | 1501.4 | 1758.4 | 2429.2 | 2814.5 | 2893.2 | 2956.5 | 3088.0 |
| 60° | 1212.4 | 1221.2 | 1263.1 | 1365.4 | 1484.3 | 1678.6 | 2382.5 | 3036.3 | 3161.8 | 3280.6 | 3499.7 |
| 62.5° | 1181.6 | 1192.6 | 1253.7 | 1432.0 | 1611.4 | 1618.0 | 2213.5 | 3208.0 | 3410.0 | 3585.5 | 3933.9 |
| 65° | 1046.8 | 1058.3 | 1106.2 | 1273.0 | 1619.1 | 1644.4 | 1963.1 | 3211.3 | 3462.3 | 3699.5 | 4075.3 |
| 67.5° | 794.7 | 799.1 | 837.1 | 970.8 | 1295.0 | 1673.6 | 1705.5 | 2831.0 | 3069.9 | 3334.6 | 3722.6 |
| 70° | 406.2 | 413.9 | 424.9 | 536.0 | 833.8 | 1383.0 | 1465.6 | 2086.4 | 2390.7 | 2664.2 | 3130.4 |
| 72.5° | 140.9 | 143.6 | 154.6 | 204.7 | 406.2 | 907.5 | 1282.9 | 1429.8 | 1613.6 | 1869.5 | 2409.4 |
| 75° | 84.8 | 84.8 | 88.6 | 103.5 | 185.5 | 472.8 | 1141.4 | 1167.8 | 1192.6 | 1278.5 | 1631.8 |
| 77.5° | 67.1 | 68.2 | 68.2 | 71.0 | 102.9 | 242.7 | 866.8 | 1085.8 | 1089.1 | 1097.4 | 1156.8 |
| 80° | 47.9 | 50.1 | 54.5 | 56.7 | 66.6 | 133.2 | 486.5 | 953.2 | 1018.1 | 1049.5 | 1093.0 |
| 82.5° | 35.8 | 38.0 | 46.2 | 49.0 | 51.7 | 74.3 | 218.5 | 657.7 | 776.0 | 838.7 | 991.7 |
| 85° | 16.0 | 18.7 | 31.4 | 34.7 | 36.3 | 39.6 | 102.4 | 187.1 | 215.2 | 241.6 | 318.7 |
| 87.5° | 2.8 | 2.8 | 5.0 | 7.2 | 10.5 | 9.9 | 22.6 | 31.9 | 32.5 | 38.0 | 42.4 |
| 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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CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 |
| 2.5° | 526.7 | 526.7 | 526.7 | 526.1 | 526.7 | 526.7 | 526.7 | 526.7 | 527.2 | 527.2 | 527.2 |
| 5° | 538.2 | 537.1 | 537.7 | 537.7 | 537.7 | 537.1 | 538.2 | 537.7 | 538.2 | 539.9 | 539.3 |
| 7.5° | 555.3 | 556.4 | 557.0 | 557.5 | 557.5 | 557.5 | 558.1 | 559.2 | 559.2 | 560.8 | 560.3 |
| 10° | 580.6 | 580.1 | 580.6 | 582.3 | 583.9 | 584.5 | 586.1 | 585.6 | 586.7 | 588.9 | 591.1 |
| 12.5° | 607.6 | 608.7 | 610.3 | 612.0 | 614.7 | 615.3 | 616.9 | 617.5 | 620.8 | 620.8 | 623.0 |
| 15° | 637.9 | 638.4 | 641.7 | 642.3 | 645.6 | 646.7 | 649.4 | 650.5 | 654.4 | 654.9 | 657.1 |
| 17.5° | 665.4 | 666.5 | 668.1 | 669.8 | 673.6 | 675.3 | 677.5 | 679.7 | 683.0 | 684.1 | 687.9 |
| 20° | 687.4 | 689.6 | 690.1 | 693.4 | 696.7 | 698.9 | 701.1 | 703.3 | 706.6 | 708.3 | 712.2 |
| 22.5° | 707.2 | 709.4 | 711.1 | 713.8 | 716.0 | 719.3 | 720.4 | 724.3 | 727.6 | 730.3 | 733.6 |
| 25° | 728.7 | 732.0 | 733.6 | 738.6 | 740.2 | 743.5 | 746.3 | 750.1 | 754.5 | 757.8 | 762.2 |
| 27.5° | 758.9 | 763.9 | 766.1 | 771.6 | 775.4 | 777.1 | 781.5 | 787.0 | 790.9 | 794.7 | 799.1 |
| 30° | 800.8 | 810.1 | 811.8 | 815.6 | 822.8 | 823.9 | 829.4 | 833.8 | 839.8 | 843.7 | 847.5 |
| 32.5° | 865.7 | 877.3 | 878.4 | 882.8 | 888.8 | 891.0 | 895.4 | 900.4 | 909.7 | 911.4 | 917.4 |
| 35° | 965.3 | 970.3 | 974.7 | 976.3 | 981.3 | 984.0 | 987.3 | 992.8 | 1002.2 | 1001.1 | 1007.7 |
| 37.5° | 1084.7 | 1086.4 | 1086.9 | 1081.4 | 1082.5 | 1077.6 | 1083.6 | 1084.7 | 1088.0 | 1090.8 | 1097.4 |
| 40° | 1255.3 | 1238.3 | 1236.1 | 1222.9 | 1209.7 | 1202.5 | 1199.8 | 1188.8 | 1191.5 | 1192.6 | 1198.1 |
| 42.5° | 1504.7 | 1471.6 | 1444.1 | 1425.4 | 1392.9 | 1377.0 | 1355.5 | 1338.5 | 1325.2 | 1330.2 | 1332.4 |
| 45° | 1820.6 | 1773.2 | 1729.2 | 1672.0 | 1629.6 | 1599.3 | 1561.3 | 1527.2 | 1511.8 | 1504.7 | 1513.5 |
| 47.5° | 2135.9 | 2094.1 | 2042.3 | 1983.5 | 1916.3 | 1866.2 | 1802.9 | 1747.4 | 1708.8 | 1694.5 | 1702.2 |
| 50° | 2408.3 | 2369.8 | 2330.7 | 2296.1 | 2217.9 | 2163.4 | 2077.0 | 2004.9 | 1944.4 | 1913.6 | 1905.3 |
| 52.5° | 2634.5 | 2614.2 | 2593.2 | 2564.1 | 2501.3 | 2446.9 | 2378.1 | 2307.1 | 2226.7 | 2164.0 | 2142.5 |
| 55° | 2836.5 | 2848.6 | 2838.2 | 2838.7 | 2813.9 | 2779.3 | 2720.9 | 2668.1 | 2612.0 | 2541.0 | 2511.2 |
| 57.5° | 3130.9 | 3202.5 | 3216.8 | 3252.6 | 3270.2 | 3288.9 | 3305.4 | 3274.0 | 3259.7 | 3206.9 | 3207.4 |
| 60° | 3594.9 | 3699.5 | 3790.3 | 3872.8 | 3940.5 | 4006.5 | 4075.9 | 4106.7 | 4140.8 | 4156.8 | 4211.3 |
| 62.5° | 4088.5 | 4188.2 | 4323.5 | 4434.2 | 4496.4 | 4582.2 | 4657.6 | 4706.6 | 4766.6 | 4830.4 | 4913.5 |
| 65° | 4210.7 | 4330.7 | 4416.0 | 4489.8 | 4551.4 | 4597.1 | 4638.3 | 4696.7 | 4746.8 | 4848.0 | 4946.0 |
| 67.5° | 3897.6 | 3993.3 | 4071.5 | 4144.1 | 4192.0 | 4230.5 | 4267.4 | 4305.9 | 4391.8 | 4483.7 | 4582.2 |
| 70° | 3345.6 | 3461.2 | 3590.5 | 3684.6 | 3708.3 | 3741.3 | 3776.5 | 3826.6 | 3869.5 | 3965.8 | 4040.7 |
| 72.5° | 2687.9 | 2854.1 | 2963.6 | 3094.1 | 3122.1 | 3172.2 | 3192.0 | 3231.1 | 3238.8 | 3291.1 | 3310.9 |
| 75° | 1873.4 | 2063.8 | 2173.9 | 2269.6 | 2288.4 | 2260.8 | 2271.8 | 2133.7 | 2098.5 | 2069.9 | 2046.8 |
| 77.5° | 1236.6 | 1287.8 | 1305.4 | 1290.0 | 1216.3 | 1158.5 | 1096.8 | 1036.3 | 1042.9 | 993.9 | 908.1 |
| 80° | 1099.6 | 1111.2 | 1095.2 | 1079.8 | 1037.4 | 976.9 | 921.3 | 864.6 | 836.5 | 806.8 | 762.8 |
| 82.5° | 1069.9 | 1114.5 | 1119.4 | 1100.7 | 1067.1 | 1001.1 | 933.9 | 849.7 | 778.2 | 712.2 | 645.0 |
| 85° | 357.7 | 435.3 | 470.0 | 502.5 | 512.4 | 523.9 | 484.3 | 430.4 | 365.4 | 322.0 | 252.1 |
| 87.5° | 45.7 | 56.7 | 65.5 | 56.1 | 65.5 | 77.0 | 55.6 | 62.2 | 62.7 | 39.1 | 29.2 |
| 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: TMU-F02-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 |
| 2.5° | 527.8 | 527.2 | 527.2 | 527.2 | 526.7 | 527.2 | 527.2 | 527.2 | 527.2 | 527.2 | 526.7 |
| 5° | 539.9 | 539.9 | 541.5 | 542.1 | 541.0 | 540.4 | 541.0 | 541.5 | 541.5 | 541.0 | 541.5 |
| 7.5° | 562.5 | 563.0 | 564.1 | 565.8 | 564.7 | 565.2 | 565.8 | 565.2 | 566.9 | 567.4 | 566.9 |
| 10° | 591.1 | 592.2 | 594.9 | 595.5 | 594.9 | 597.1 | 597.7 | 596.6 | 597.7 | 597.7 | 599.9 |
| 12.5° | 624.1 | 625.2 | 628.5 | 629.6 | 630.7 | 631.3 | 632.9 | 633.5 | 635.1 | 636.2 | 637.9 |
| 15° | 659.9 | 661.0 | 663.2 | 667.0 | 668.1 | 669.2 | 670.3 | 673.6 | 674.2 | 676.4 | 678.0 |
| 17.5° | 690.1 | 691.8 | 695.1 | 697.8 | 699.5 | 702.2 | 703.3 | 707.2 | 708.3 | 711.6 | 714.4 |
| 20° | 714.4 | 717.1 | 719.9 | 723.2 | 725.9 | 729.2 | 730.3 | 734.2 | 736.4 | 738.0 | 741.3 |
| 22.5° | 736.4 | 739.7 | 743.5 | 747.4 | 749.6 | 754.0 | 755.6 | 757.3 | 762.2 | 764.4 | 767.7 |
| 25° | 765.0 | 768.3 | 772.7 | 777.6 | 779.8 | 785.3 | 787.0 | 789.8 | 795.3 | 797.5 | 802.4 |
| 27.5° | 804.1 | 808.5 | 811.8 | 816.7 | 819.5 | 823.3 | 827.2 | 830.5 | 835.4 | 838.7 | 844.2 |
| 30° | 853.0 | 856.3 | 861.8 | 865.7 | 870.1 | 875.6 | 880.0 | 883.3 | 886.1 | 891.0 | 897.1 |
| 32.5° | 925.1 | 925.7 | 927.3 | 936.7 | 941.1 | 945.5 | 951.6 | 954.3 | 958.7 | 963.7 | 970.3 |
| 35° | 1014.8 | 1019.8 | 1023.7 | 1028.1 | 1033.0 | 1038.0 | 1040.2 | 1048.4 | 1052.3 | 1058.9 | 1065.5 |
| 37.5° | 1104.0 | 1104.6 | 1113.4 | 1116.1 | 1120.5 | 1125.5 | 1133.2 | 1141.4 | 1151.3 | 1157.9 | 1168.4 |
| 40° | 1199.8 | 1204.2 | 1215.2 | 1220.7 | 1226.2 | 1238.3 | 1244.3 | 1257.5 | 1274.1 | 1283.4 | 1301.0 |
| 42.5° | 1338.5 | 1345.1 | 1364.9 | 1373.7 | 1386.9 | 1406.7 | 1419.4 | 1437.5 | 1444.1 | 1466.7 | 1474.9 |
| 45° | 1520.1 | 1540.4 | 1569.0 | 1587.8 | 1611.4 | 1632.9 | 1643.9 | 1652.2 | 1662.1 | 1679.7 | 1677.5 |
| 47.5° | 1716.5 | 1743.0 | 1774.9 | 1813.4 | 1828.8 | 1854.1 | 1868.4 | 1884.4 | 1875.6 | 1871.2 | 1866.8 |
| 50° | 1918.0 | 1948.8 | 1991.2 | 2025.8 | 2049.5 | 2064.9 | 2077.0 | 2074.8 | 2056.1 | 2046.2 | 2018.7 |
| 52.5° | 2142.0 | 2160.1 | 2200.3 | 2230.0 | 2244.3 | 2247.6 | 2244.9 | 2228.4 | 2210.8 | 2179.4 | 2146.9 |
| 55° | 2485.4 | 2477.1 | 2493.1 | 2506.8 | 2502.4 | 2517.9 | 2478.2 | 2462.8 | 2419.3 | 2378.6 | 2335.1 |
| 57.5° | 3183.2 | 3194.2 | 3105.1 | 3064.9 | 3057.7 | 3072.1 | 3002.2 | 2993.4 | 2888.2 | 2875.0 | 2801.8 |
| 60° | 4203.6 | 4257.5 | 4187.6 | 4148.5 | 4042.9 | 4008.2 | 3930.0 | 3897.6 | 3796.9 | 3715.4 | 3612.5 |
| 62.5° | 4970.8 | 5019.7 | 5048.9 | 4993.3 | 4931.7 | 4840.9 | 4722.6 | 4591.6 | 4484.8 | 4359.9 | 4250.9 |
| 65° | 5040.1 | 5139.2 | 5206.3 | 5232.2 | 5188.7 | 5089.1 | 4943.2 | 4778.1 | 4614.7 | 4457.8 | 4320.2 |
| 67.5° | 4715.9 | 4804.6 | 4908.6 | 5001.6 | 5007.1 | 4942.1 | 4817.8 | 4649.9 | 4461.1 | 4267.4 | 4106.2 |
| 70° | 4159.0 | 4270.2 | 4361.0 | 4458.9 | 4527.2 | 4489.8 | 4427.6 | 4273.5 | 4077.5 | 3926.7 | 3741.3 |
| 72.5° | 3382.5 | 3429.2 | 3451.2 | 3547.6 | 3548.7 | 3480.4 | 3436.4 | 3351.1 | 3193.1 | 3086.4 | 2944.9 |
| 75° | 1975.2 | 1872.3 | 1762.8 | 1667.6 | 1590.0 | 1557.5 | 1413.3 | 1389.1 | 1292.2 | 1232.2 | 1144.2 |
| 77.5° | 814.5 | 722.6 | 604.3 | 505.8 | 408.4 | 364.3 | 300.5 | 272.4 | 236.1 | 220.1 | 209.7 |
| 80° | 698.4 | 611.4 | 522.3 | 437.0 | 361.0 | 285.1 | 221.8 | 172.3 | 135.4 | 115.0 | 106.8 |
| 82.5° | 570.2 | 517.9 | 455.7 | 409.5 | 350.0 | 293.3 | 247.7 | 192.1 | 143.6 | 105.7 | 80.9 |
| 85° | 205.8 | 169.0 | 135.9 | 124.9 | 99.6 | 82.0 | 68.8 | 58.9 | 48.4 | 38.5 | 34.1 |
| 87.5° | 23.1 | 22.0 | 12.7 | 12.1 | 13.8 | 9.9 | 11.6 | 10.5 | 8.8 | 7.7 | 8.3 |
| 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: P150205

CATALOG NUMBER: TMU-F02-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 | 525.0 |
| 2.5° | 526.7 | 526.7 | 527.2 | 527.2 | 527.8 | 528.3 | 529.4 | 528.9 | 528.9 | 529.4 | 529.4 |
| 5° | 541.5 | 543.2 | 542.6 | 542.6 | 542.6 | 543.2 | 543.7 | 541.5 | 539.3 | 537.1 | 536.0 |
| 7.5° | 567.4 | 568.5 | 569.6 | 568.5 | 569.6 | 569.1 | 568.0 | 561.9 | 554.8 | 545.9 | 539.9 |
| 10° | 601.0 | 601.0 | 602.1 | 601.5 | 603.7 | 602.1 | 598.8 | 585.0 | 569.6 | 550.9 | 537.1 |
| 12.5° | 637.3 | 641.2 | 639.5 | 640.1 | 644.5 | 640.1 | 632.4 | 612.0 | 584.5 | 554.2 | 530.0 |
| 15° | 680.2 | 681.9 | 683.0 | 681.3 | 684.1 | 680.2 | 666.5 | 634.0 | 593.8 | 551.5 | 515.7 |
| 17.5° | 715.5 | 716.0 | 716.6 | 717.7 | 721.5 | 717.1 | 693.4 | 649.4 | 596.0 | 538.8 | 491.5 |
| 20° | 743.0 | 745.7 | 747.9 | 747.9 | 753.4 | 746.8 | 715.5 | 657.1 | 588.9 | 517.9 | 460.6 |
| 22.5° | 771.6 | 773.8 | 776.5 | 777.1 | 784.2 | 777.6 | 733.6 | 655.5 | 570.2 | 488.2 | 424.9 |
| 25° | 806.8 | 809.0 | 811.2 | 814.0 | 823.9 | 814.5 | 751.8 | 648.9 | 544.3 | 452.9 | 386.3 |
| 27.5° | 847.5 | 852.5 | 854.1 | 858.5 | 870.1 | 855.8 | 767.2 | 639.0 | 515.7 | 412.2 | 345.6 |
| 30° | 902.0 | 908.1 | 910.3 | 916.3 | 932.3 | 900.9 | 776.0 | 621.9 | 479.4 | 370.9 | 302.1 |
| 32.5° | 975.2 | 983.5 | 990.1 | 996.7 | 1014.8 | 946.1 | 777.1 | 597.1 | 437.0 | 324.7 | 260.3 |
| 35° | 1071.0 | 1083.6 | 1088.6 | 1093.0 | 1110.1 | 995.0 | 772.1 | 560.3 | 385.2 | 277.4 | 227.3 |
| 37.5° | 1178.3 | 1191.0 | 1194.3 | 1196.5 | 1199.8 | 1036.9 | 760.0 | 504.1 | 326.9 | 236.1 | 200.9 |
| 40° | 1310.4 | 1321.4 | 1325.8 | 1322.5 | 1304.9 | 1069.3 | 733.1 | 438.6 | 270.2 | 208.0 | 184.4 |
| 42.5° | 1471.6 | 1488.1 | 1489.8 | 1474.9 | 1416.6 | 1087.5 | 679.1 | 361.6 | 225.6 | 187.7 | 171.7 |
| 45° | 1671.4 | 1670.3 | 1661.0 | 1650.5 | 1538.2 | 1080.3 | 603.7 | 294.4 | 197.6 | 171.7 | 160.2 |
| 47.5° | 1850.8 | 1832.1 | 1817.8 | 1787.0 | 1645.5 | 1038.5 | 506.3 | 243.8 | 180.5 | 159.6 | 150.2 |
| 50° | 1997.8 | 1963.6 | 1933.4 | 1899.8 | 1725.3 | 964.2 | 409.5 | 206.9 | 164.6 | 149.1 | 140.9 |
| 52.5° | 2113.9 | 2072.6 | 2037.4 | 2004.4 | 1802.4 | 881.7 | 335.7 | 180.0 | 149.1 | 138.7 | 130.4 |
| 55° | 2295.5 | 2254.2 | 2198.1 | 2161.8 | 1920.2 | 805.7 | 287.8 | 158.5 | 134.3 | 127.7 | 119.4 |
| 57.5° | 2755.1 | 2718.7 | 2651.6 | 2557.5 | 2222.9 | 777.1 | 260.9 | 142.0 | 122.2 | 118.3 | 111.7 |
| 60° | 3557.5 | 3498.6 | 3411.1 | 3315.3 | 2838.2 | 796.4 | 239.4 | 130.4 | 113.9 | 110.6 | 105.7 |
| 62.5° | 4162.8 | 4059.4 | 3960.3 | 3871.7 | 3330.2 | 795.8 | 211.3 | 121.6 | 107.9 | 106.2 | 101.3 |
| 65° | 4187.6 | 4082.5 | 3982.9 | 3889.9 | 3341.2 | 708.3 | 178.3 | 113.9 | 106.8 | 106.2 | 98.0 |
| 67.5° | 3965.3 | 3851.3 | 3755.0 | 3637.8 | 3093.0 | 553.7 | 143.1 | 109.0 | 111.2 | 110.1 | 96.9 |
| 70° | 3602.0 | 3453.4 | 3374.2 | 3258.6 | 2722.0 | 387.4 | 117.8 | 110.6 | 120.5 | 117.2 | 98.5 |
| 72.5° | 2827.1 | 2714.9 | 2594.3 | 2514.0 | 2131.0 | 244.9 | 99.1 | 111.7 | 124.4 | 118.9 | 102.9 |
| 75° | 1052.3 | 1082.5 | 1033.0 | 1015.4 | 1082.5 | 143.6 | 88.1 | 104.0 | 111.2 | 102.9 | 93.6 |
| 77.5° | 212.4 | 203.1 | 192.6 | 190.4 | 246.0 | 88.6 | 80.9 | 90.3 | 85.3 | 75.4 | 75.9 |
| 80° | 101.8 | 99.1 | 95.8 | 95.2 | 91.4 | 73.7 | 74.8 | 77.0 | 64.4 | 58.3 | 62.2 |
| 82.5° | 67.7 | 63.8 | 62.7 | 60.5 | 61.6 | 66.0 | 71.0 | 66.0 | 49.5 | 46.2 | 56.1 |
| 85° | 31.4 | 30.3 | 29.7 | 29.7 | 33.0 | 59.4 | 58.9 | 48.4 | 34.1 | 33.0 | 56.1 |
| 87.5° | 7.7 | 7.7 | 8.3 | 7.7 | 8.8 | 17.6 | 15.4 | 14.9 | 12.7 | 14.3 | 26.4 |
| 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: P150205

CATALOG NUMBER: TMU-F02-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 525.0 | 525.0 | 525.0 |
| 2.5° | 528.9 | 529.4 | 528.9 |
| 5° | 533.8 | 533.8 | 533.8 |
| 7.5° | 533.8 | 532.2 | 531.6 |
| 10° | 526.1 | 521.2 | 521.2 |
| 12.5° | 512.9 | 504.7 | 503.6 |
| 15° | 488.2 | 477.2 | 475.5 |
| 17.5° | 456.8 | 441.9 | 439.2 |
| 20° | 421.6 | 402.9 | 399.6 |
| 22.5° | 383.0 | 361.6 | 359.9 |
| 25° | 345.1 | 323.1 | 318.7 |
| 27.5° | 302.7 | 281.2 | 279.0 |
| 30° | 260.3 | 241.6 | 240.5 |
| 32.5° | 224.5 | 213.0 | 210.8 |
| 35° | 199.2 | 192.6 | 189.9 |
| 37.5° | 182.7 | 177.8 | 177.2 |
| 40° | 170.1 | 165.7 | 165.1 |
| 42.5° | 159.6 | 155.7 | 155.2 |
| 45° | 149.1 | 145.8 | 144.7 |
| 47.5° | 138.7 | 135.4 | 134.8 |
| 50° | 129.3 | 124.9 | 124.4 |
| 52.5° | 120.5 | 116.1 | 115.0 |
| 55° | 112.3 | 107.9 | 107.9 |
| 57.5° | 105.1 | 100.7 | 100.2 |
| 60° | 98.5 | 94.1 | 93.6 |
| 62.5° | 93.6 | 88.1 | 87.5 |
| 65° | 89.7 | 84.2 | 83.1 |
| 67.5° | 87.5 | 80.9 | 79.3 |
| 70° | 91.4 | 79.3 | 76.5 |
| 72.5° | 91.9 | 77.6 | 73.7 |
| 75° | 88.6 | 73.2 | 70.4 |
| 77.5° | 77.6 | 65.5 | 62.7 |
| 80° | 67.1 | 50.6 | 46.8 |
| 82.5° | 63.8 | 41.3 | 35.8 |
| 85° | 49.5 | 27.0 | 25.3 |
| 87.5° | 28.1 | 14.9 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)