

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: INVUE

Report Number: P140906

Luminaire Tested: **ECM-F01-LED-E1-SL2-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P140906
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33690)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-F01-LED-E1-SL2-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2437.8 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

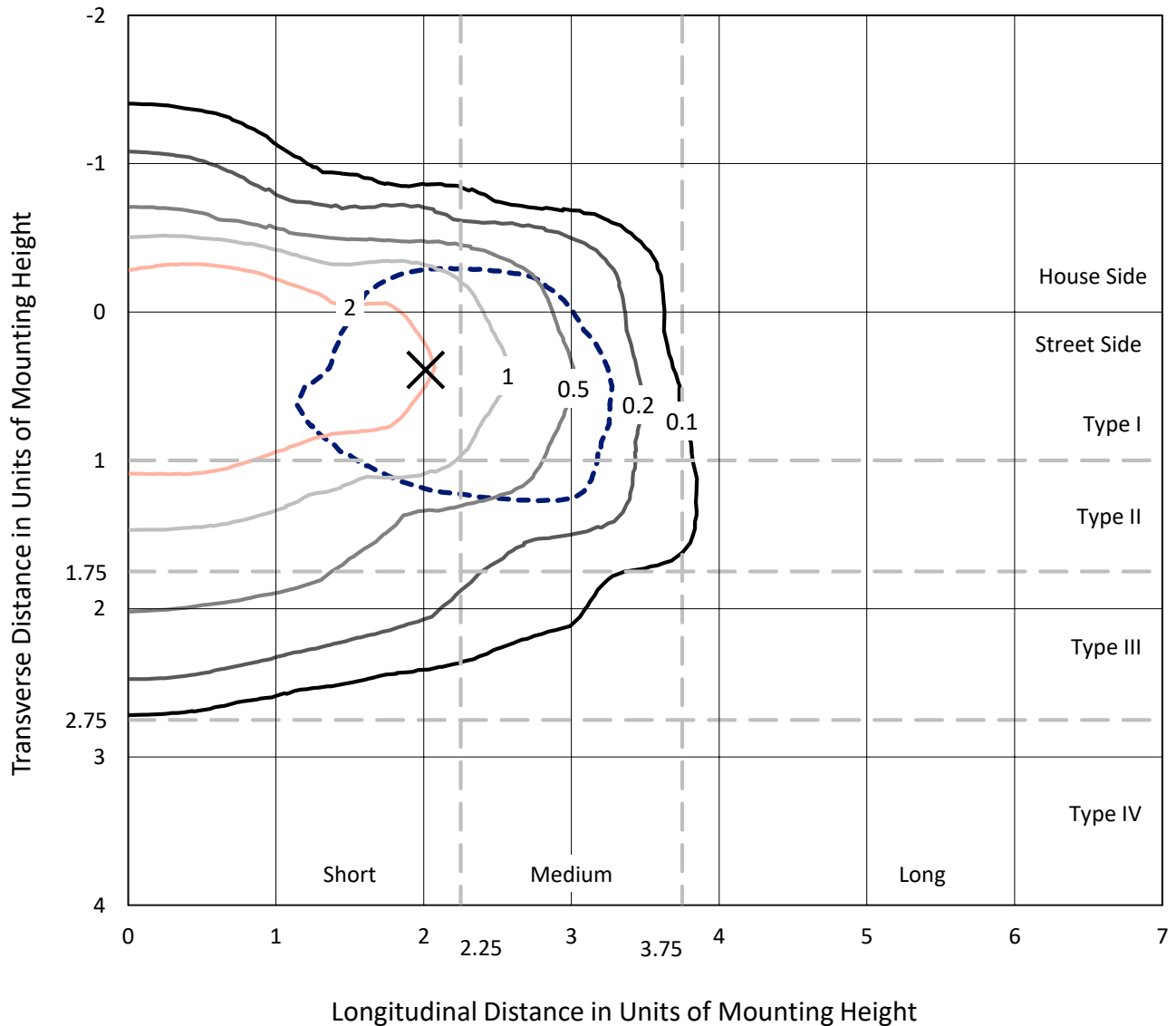
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P140906
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Iso-Footcandle Lines of Horizontal Illumination

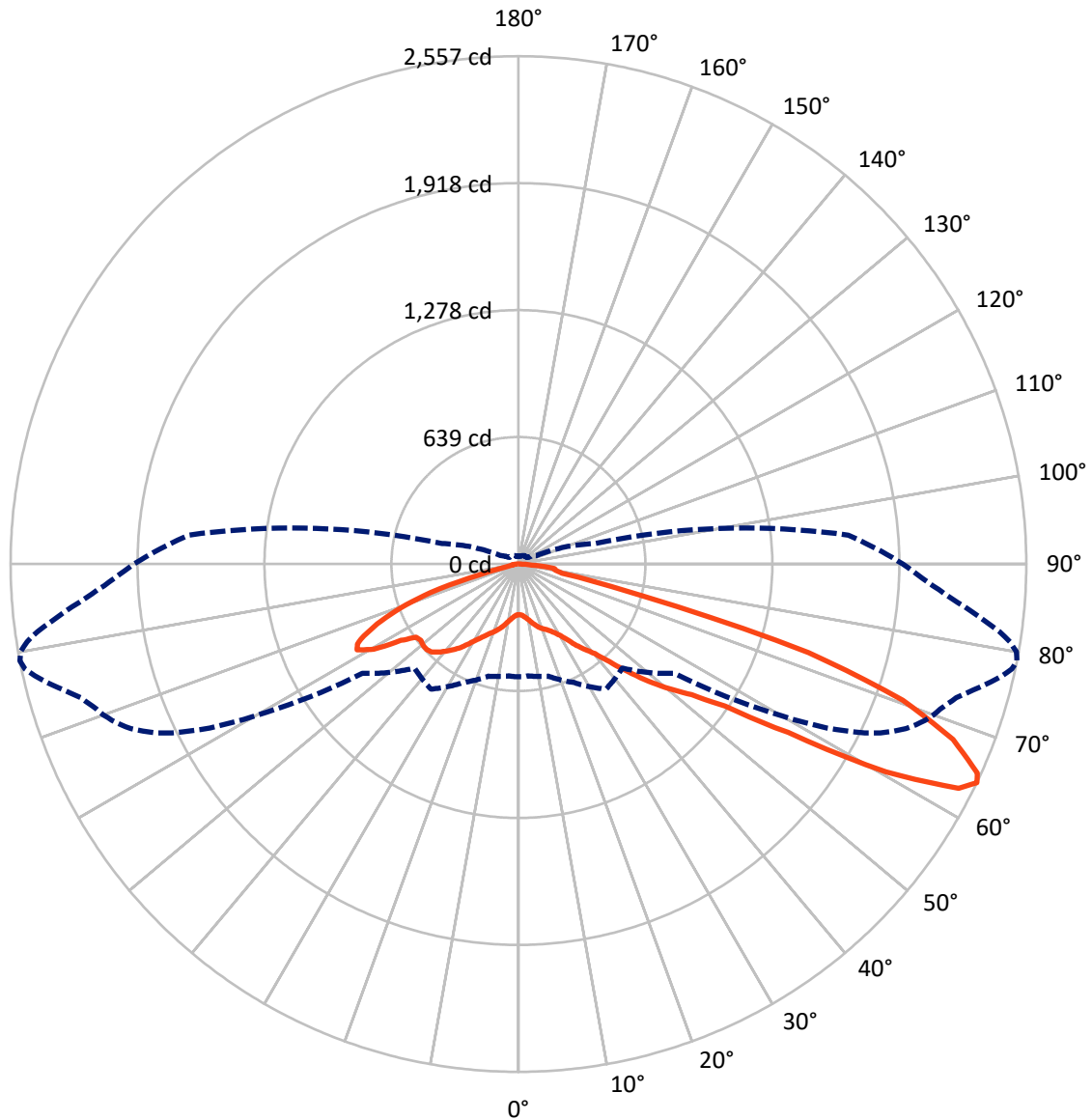
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 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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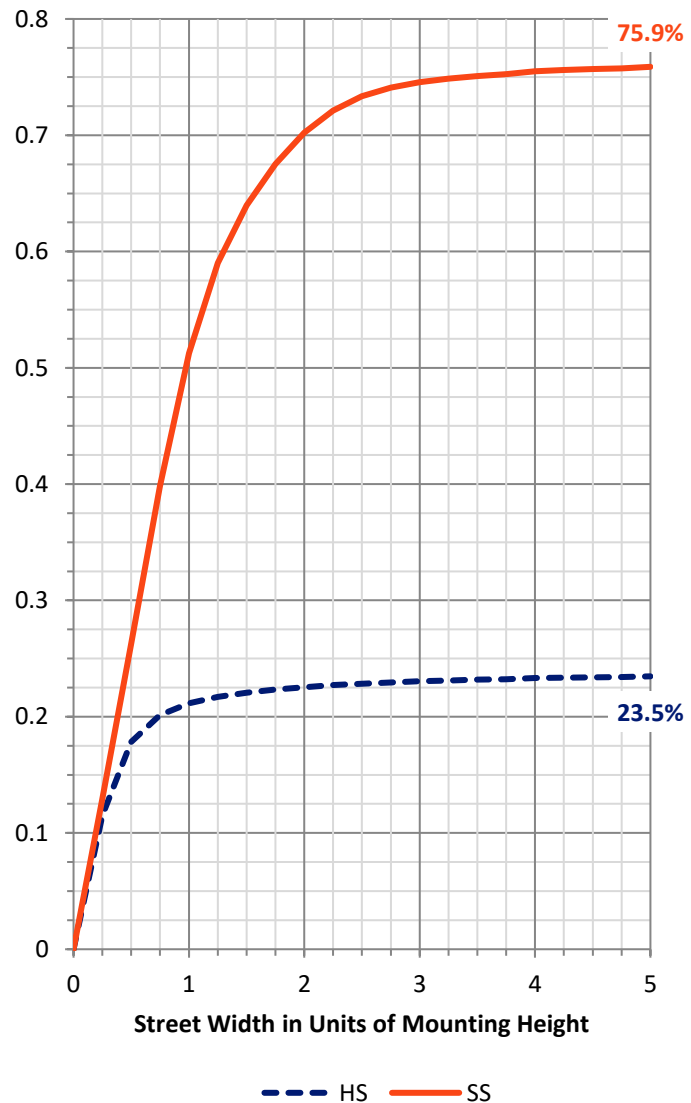
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 581.1 | 0.0 | 581.1 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 1856.7 | 0.0 | 1856.7 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 2437.8 | 0.0 | 2437.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.3 | 1.0 |
| 10°-20° | 81.9 | 3.4 |
| 20°-30° | 140.6 | 5.8 |
| 30°-40° | 235.0 | 9.6 |
| 40°-50° | 402.5 | 16.5 |
| 50°-60° | 543.0 | 22.3 |
| 60°-70° | 686.9 | 28.2 |
| 70°-80° | 274.1 | 11.2 |
| 80°-90° | 48.6 | 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° | 2437.8 | 100.0 |
| 0°-180° | 2437.8 | 100.0 |



REPORT NUMBER: P140906

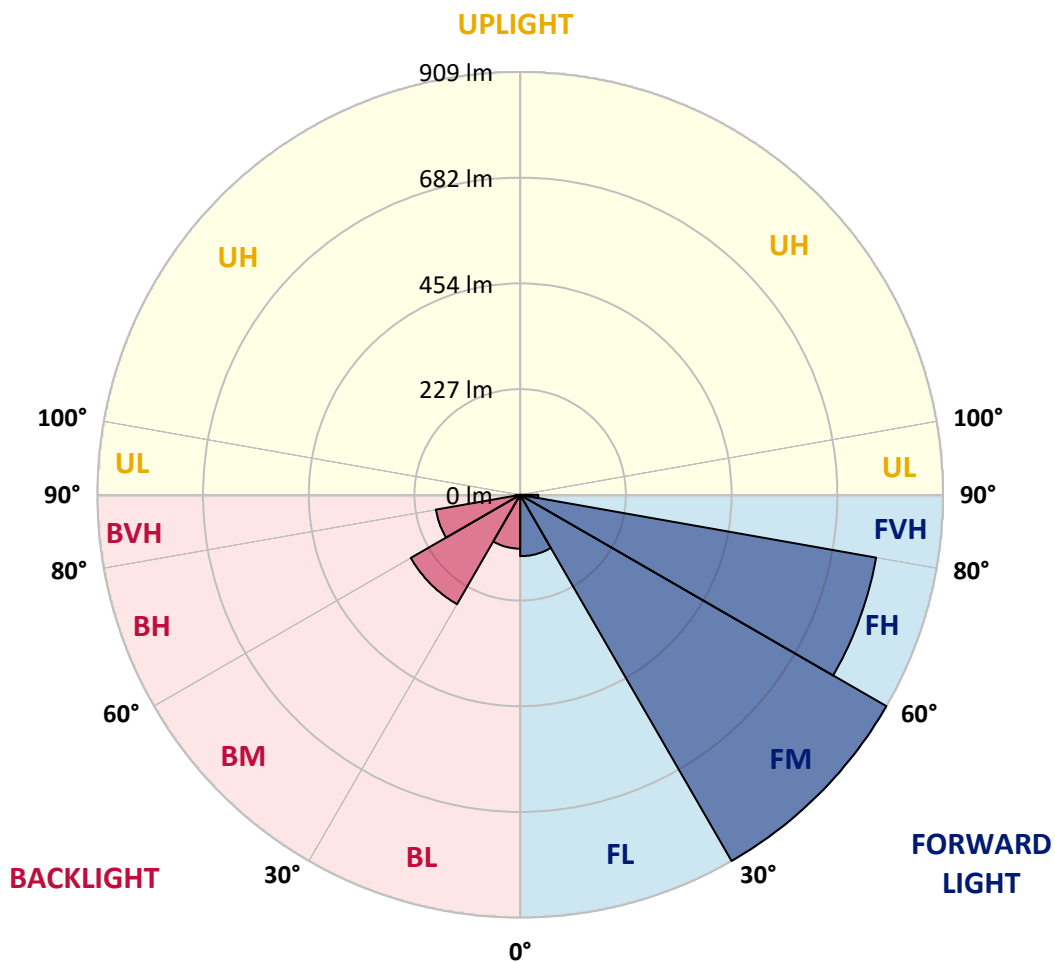
CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 131.9 | 5.4 | | | |
| FM | (30°-60°) | 909.0 | 37.3 | | | |
| FH | (60°-80°) | 776.9 | 31.9 | | | G1/1800 |
| FVH | (80°-90°) | 38.9 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 115.8 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 271.5 | 11.1 | B1/1000 | | |
| BH | (60°-80°) | 184.1 | 7.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.7 | 0.4 | | | G0/10 |
| 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





REPORT NUMBER: P140906

CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 |
| 2.5° | 253.8 | 254.1 | 253.8 | 254.7 | 255.3 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 |
| 5° | 253.6 | 253.8 | 253.6 | 255.0 | 256.4 | 258.1 | 259.8 | 260.3 | 260.3 | 260.6 | 260.9 |
| 7.5° | 256.1 | 256.4 | 256.1 | 257.8 | 259.8 | 262.6 | 265.7 | 267.4 | 267.7 | 268.0 | 268.5 |
| 10° | 264.0 | 263.4 | 262.3 | 264.0 | 266.0 | 270.2 | 273.9 | 276.7 | 277.6 | 277.8 | 279.0 |
| 12.5° | 274.5 | 274.2 | 272.2 | 271.3 | 272.5 | 277.3 | 284.1 | 288.0 | 288.9 | 289.1 | 290.3 |
| 15° | 282.4 | 281.5 | 279.8 | 278.7 | 280.7 | 285.7 | 294.8 | 299.9 | 301.6 | 301.8 | 303.8 |
| 17.5° | 287.4 | 286.9 | 284.1 | 283.2 | 286.3 | 294.2 | 305.5 | 311.7 | 312.9 | 313.7 | 316.0 |
| 20° | 295.9 | 294.2 | 290.0 | 286.3 | 288.9 | 301.0 | 314.3 | 320.8 | 322.5 | 323.3 | 325.3 |
| 22.5° | 307.2 | 305.8 | 300.7 | 291.4 | 291.4 | 304.9 | 322.2 | 329.5 | 330.9 | 332.6 | 334.9 |
| 25° | 326.7 | 325.6 | 315.7 | 299.9 | 295.9 | 308.9 | 329.5 | 339.4 | 340.8 | 342.8 | 346.2 |
| 27.5° | 346.7 | 345.3 | 334.3 | 313.1 | 303.8 | 316.2 | 340.2 | 352.1 | 354.1 | 356.3 | 360.3 |
| 30° | 372.4 | 369.9 | 358.9 | 334.3 | 319.3 | 328.1 | 357.2 | 372.1 | 374.4 | 377.2 | 382.6 |
| 32.5° | 430.0 | 431.2 | 411.1 | 385.1 | 358.9 | 355.2 | 383.4 | 401.8 | 405.2 | 408.9 | 416.2 |
| 35° | 523.8 | 519.3 | 511.9 | 485.4 | 456.3 | 427.5 | 434.5 | 454.3 | 458.0 | 459.1 | 462.2 |
| 37.5° | 583.6 | 586.2 | 592.1 | 592.1 | 570.4 | 558.2 | 538.2 | 528.6 | 529.4 | 530.6 | 528.0 |
| 40° | 617.0 | 622.3 | 642.6 | 670.0 | 689.8 | 700.8 | 697.4 | 652.5 | 647.2 | 640.1 | 617.5 |
| 42.5° | 641.0 | 646.3 | 681.0 | 733.6 | 782.7 | 821.7 | 843.1 | 807.8 | 803.9 | 786.9 | 759.8 |
| 45° | 655.6 | 659.9 | 701.7 | 776.2 | 850.5 | 916.8 | 975.5 | 963.1 | 962.0 | 947.6 | 912.0 |
| 47.5° | 652.8 | 656.5 | 700.0 | 789.8 | 887.2 | 977.2 | 1068.2 | 1090.8 | 1091.9 | 1088.2 | 1066.5 |
| 50° | 611.0 | 619.8 | 663.0 | 759.8 | 866.8 | 1000.7 | 1128.0 | 1187.0 | 1188.7 | 1192.1 | 1183.6 |
| 52.5° | 573.8 | 580.5 | 619.2 | 705.9 | 808.7 | 977.5 | 1163.9 | 1257.6 | 1272.0 | 1280.2 | 1296.0 |
| 55° | 558.5 | 562.5 | 592.1 | 665.8 | 760.7 | 915.7 | 1176.0 | 1308.7 | 1334.4 | 1350.0 | 1386.1 |
| 57.5° | 555.7 | 558.8 | 581.7 | 637.8 | 728.8 | 851.9 | 1172.1 | 1377.3 | 1418.0 | 1447.4 | 1517.4 |
| 60° | 574.6 | 577.4 | 593.5 | 640.7 | 706.7 | 805.3 | 1135.9 | 1467.7 | 1524.7 | 1603.8 | 1716.7 |
| 62.5° | 588.7 | 590.1 | 609.9 | 676.0 | 731.0 | 759.8 | 1043.9 | 1530.9 | 1632.3 | 1732.8 | 1900.8 |
| 64° | 568.1 | 565.3 | 584.8 | 657.6 | 768.6 | 740.3 | 958.6 | 1527.8 | 1646.7 | 1758.2 | 1940.1 |
| 65° | 537.9 | 539.9 | 557.4 | 621.8 | 762.1 | 739.5 | 902.7 | 1494.0 | 1617.3 | 1735.7 | 1921.7 |
| 67.5° | 417.9 | 425.5 | 430.3 | 489.3 | 624.3 | 763.5 | 755.9 | 1278.2 | 1402.2 | 1515.1 | 1735.1 |
| 70° | 224.8 | 223.9 | 234.6 | 281.2 | 434.3 | 648.0 | 648.6 | 901.0 | 1038.2 | 1178.6 | 1397.4 |
| 72.5° | 82.7 | 87.0 | 95.4 | 128.5 | 225.6 | 467.6 | 594.4 | 624.9 | 686.1 | 797.7 | 1032.3 |
| 75° | 47.4 | 48.0 | 49.7 | 60.4 | 108.7 | 258.1 | 552.3 | 552.9 | 557.4 | 575.7 | 703.4 |
| 77.5° | 37.0 | 35.9 | 36.7 | 39.2 | 59.3 | 135.8 | 443.0 | 525.2 | 524.6 | 521.8 | 540.4 |
| 80° | 27.7 | 28.8 | 30.5 | 30.5 | 36.7 | 72.8 | 251.9 | 467.3 | 483.1 | 495.0 | 501.8 |
| 82.5° | 22.3 | 23.2 | 27.4 | 27.4 | 26.8 | 41.2 | 118.9 | 346.2 | 395.9 | 428.1 | 478.0 |
| 85° | 14.4 | 15.2 | 23.2 | 22.9 | 21.7 | 24.3 | 62.1 | 116.0 | 125.1 | 152.5 | 216.9 |
| 87.5° | 4.0 | 4.8 | 10.7 | 9.3 | 11.3 | 9.0 | 23.2 | 35.3 | 43.5 | 49.1 | 61.8 |
| 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: P140906

CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 |
| 2.5° | 256.1 | 256.1 | 256.1 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.7 | 256.1 | 256.1 |
| 5° | 261.2 | 260.9 | 261.2 | 261.2 | 262.0 | 261.7 | 262.0 | 262.0 | 261.7 | 262.3 | 262.3 |
| 7.5° | 269.4 | 268.8 | 269.4 | 269.7 | 269.9 | 271.1 | 271.1 | 271.6 | 271.9 | 272.2 | 271.6 |
| 10° | 279.3 | 280.1 | 280.4 | 280.4 | 281.8 | 282.4 | 282.4 | 283.2 | 284.1 | 284.6 | 284.3 |
| 12.5° | 291.4 | 292.0 | 292.2 | 293.9 | 294.2 | 295.1 | 296.5 | 297.3 | 297.3 | 298.7 | 299.6 |
| 15° | 304.9 | 305.5 | 307.2 | 307.8 | 308.9 | 310.3 | 311.2 | 312.0 | 312.0 | 314.5 | 315.4 |
| 17.5° | 316.5 | 317.7 | 318.8 | 319.6 | 321.6 | 323.0 | 324.4 | 325.3 | 326.7 | 327.8 | 329.8 |
| 20° | 326.4 | 327.8 | 329.2 | 330.9 | 332.3 | 333.7 | 335.4 | 336.6 | 338.3 | 340.0 | 341.9 |
| 22.5° | 336.0 | 337.7 | 339.4 | 340.8 | 342.8 | 344.2 | 345.6 | 347.6 | 348.7 | 350.4 | 352.7 |
| 25° | 346.5 | 349.3 | 351.0 | 352.9 | 354.9 | 356.9 | 358.6 | 360.3 | 362.0 | 364.2 | 366.5 |
| 27.5° | 363.1 | 364.5 | 366.8 | 367.9 | 371.3 | 373.6 | 375.8 | 376.1 | 378.4 | 382.6 | 383.2 |
| 30° | 384.9 | 387.4 | 388.8 | 392.8 | 393.3 | 394.2 | 397.8 | 400.4 | 403.2 | 406.6 | 408.0 |
| 32.5° | 417.6 | 419.9 | 421.8 | 423.0 | 426.1 | 431.2 | 431.7 | 434.0 | 438.8 | 439.6 | 444.7 |
| 35° | 465.6 | 466.2 | 469.3 | 471.0 | 474.9 | 477.8 | 479.2 | 481.1 | 483.7 | 489.6 | 491.0 |
| 37.5° | 523.2 | 528.0 | 524.1 | 520.1 | 527.2 | 526.3 | 528.0 | 525.8 | 532.5 | 532.8 | 535.4 |
| 40° | 612.7 | 610.7 | 602.3 | 593.2 | 589.0 | 586.5 | 581.4 | 580.2 | 583.9 | 582.2 | 583.1 |
| 42.5° | 744.6 | 725.9 | 711.5 | 700.8 | 687.5 | 673.1 | 665.0 | 652.5 | 652.5 | 648.9 | 652.2 |
| 45° | 899.6 | 878.7 | 851.9 | 826.5 | 810.1 | 791.2 | 771.7 | 758.7 | 745.4 | 735.5 | 744.3 |
| 47.5° | 1052.4 | 1038.2 | 1008.3 | 984.9 | 952.1 | 923.9 | 893.1 | 866.3 | 850.5 | 838.9 | 840.6 |
| 50° | 1185.1 | 1172.1 | 1156.5 | 1124.9 | 1100.1 | 1071.3 | 1038.8 | 1003.5 | 969.3 | 955.5 | 943.6 |
| 52.5° | 1296.9 | 1292.4 | 1279.1 | 1264.4 | 1244.1 | 1213.3 | 1192.7 | 1159.1 | 1118.7 | 1089.6 | 1077.2 |
| 55° | 1395.7 | 1403.6 | 1410.7 | 1407.6 | 1400.2 | 1396.3 | 1370.9 | 1348.0 | 1320.6 | 1312.1 | 1286.4 |
| 57.5° | 1551.3 | 1574.1 | 1601.3 | 1616.2 | 1630.9 | 1664.5 | 1672.7 | 1663.9 | 1667.3 | 1665.1 | 1651.5 |
| 60° | 1771.5 | 1826.9 | 1874.3 | 1912.1 | 1952.5 | 1991.8 | 2038.1 | 2068.6 | 2081.3 | 2130.4 | 2129.5 |
| 62.5° | 1960.4 | 2034.1 | 2094.8 | 2140.3 | 2187.4 | 2223.0 | 2252.9 | 2283.4 | 2320.7 | 2356.3 | 2401.2 |
| 64° | 2011.8 | 2069.7 | 2119.1 | 2159.8 | 2193.6 | 2222.7 | 2245.6 | 2273.6 | 2304.3 | 2350.4 | 2400.0 |
| 65° | 1985.3 | 2050.5 | 2086.3 | 2123.1 | 2153.5 | 2176.1 | 2199.6 | 2225.0 | 2264.0 | 2300.4 | 2353.5 |
| 67.5° | 1804.8 | 1854.2 | 1906.2 | 1940.4 | 1969.7 | 1983.0 | 2005.0 | 2026.2 | 2047.9 | 2084.7 | 2151.0 |
| 70° | 1521.9 | 1577.3 | 1652.1 | 1684.3 | 1714.8 | 1719.6 | 1740.2 | 1756.0 | 1770.4 | 1819.2 | 1852.0 |
| 72.5° | 1141.9 | 1249.2 | 1322.6 | 1379.0 | 1385.3 | 1409.3 | 1417.7 | 1424.2 | 1440.6 | 1449.6 | 1459.5 |
| 75° | 786.9 | 883.5 | 945.9 | 967.4 | 993.6 | 980.9 | 966.2 | 914.6 | 914.8 | 871.1 | 821.4 |
| 77.5° | 553.7 | 568.7 | 569.2 | 569.5 | 534.8 | 514.5 | 491.3 | 461.7 | 450.1 | 426.9 | 395.3 |
| 80° | 502.0 | 500.3 | 489.9 | 477.2 | 458.3 | 431.2 | 403.2 | 383.7 | 368.5 | 351.3 | 328.7 |
| 82.5° | 484.5 | 488.5 | 480.9 | 470.1 | 459.1 | 432.3 | 400.1 | 369.6 | 344.5 | 317.1 | 289.4 |
| 85° | 236.1 | 242.8 | 264.9 | 279.3 | 282.6 | 266.0 | 243.1 | 215.4 | 188.9 | 159.0 | 145.1 |
| 87.5° | 70.9 | 76.0 | 77.6 | 82.4 | 88.4 | 80.5 | 70.9 | 63.5 | 51.1 | 44.3 | 34.7 |
| 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: P140906

CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 |
| 2.5° | 256.1 | 256.4 | 256.4 | 256.1 | 256.4 | 256.4 | 256.7 | 256.4 | 256.4 | 256.4 | 256.1 |
| 5° | 261.7 | 262.9 | 262.6 | 262.6 | 263.2 | 263.2 | 262.9 | 263.4 | 263.2 | 263.2 | 262.9 |
| 7.5° | 272.5 | 272.5 | 273.3 | 273.6 | 273.0 | 273.0 | 273.6 | 273.9 | 274.5 | 274.7 | 274.7 |
| 10° | 284.9 | 286.3 | 286.3 | 286.6 | 286.9 | 287.7 | 288.0 | 288.0 | 288.6 | 288.6 | 289.1 |
| 12.5° | 300.1 | 300.7 | 301.3 | 302.7 | 303.0 | 303.0 | 304.4 | 304.1 | 304.1 | 305.5 | 305.8 |
| 15° | 316.5 | 317.4 | 318.8 | 319.3 | 319.9 | 321.3 | 322.2 | 323.0 | 322.7 | 324.7 | 325.3 |
| 17.5° | 330.9 | 331.8 | 333.5 | 334.9 | 335.7 | 336.6 | 337.1 | 338.3 | 340.0 | 341.4 | 341.7 |
| 20° | 342.5 | 343.6 | 345.6 | 347.3 | 348.7 | 349.6 | 351.8 | 352.9 | 353.5 | 354.6 | 356.1 |
| 22.5° | 353.8 | 355.8 | 357.7 | 358.3 | 361.4 | 362.3 | 364.0 | 365.7 | 366.8 | 369.3 | 370.2 |
| 25° | 367.9 | 369.6 | 372.1 | 373.8 | 375.8 | 377.5 | 379.2 | 380.6 | 383.2 | 385.4 | 386.5 |
| 27.5° | 386.5 | 388.0 | 389.9 | 393.0 | 394.7 | 395.9 | 399.0 | 401.8 | 402.9 | 405.2 | 407.2 |
| 30° | 411.1 | 412.5 | 415.3 | 418.5 | 419.9 | 423.5 | 425.8 | 427.8 | 430.0 | 433.1 | 436.0 |
| 32.5° | 447.0 | 448.7 | 451.2 | 455.2 | 455.2 | 457.7 | 462.5 | 466.7 | 468.4 | 472.1 | 474.1 |
| 35° | 494.1 | 494.4 | 497.2 | 503.2 | 504.9 | 504.3 | 508.8 | 512.8 | 513.9 | 519.5 | 523.2 |
| 37.5° | 539.9 | 540.7 | 544.1 | 546.4 | 549.5 | 551.7 | 554.8 | 560.8 | 560.8 | 569.0 | 572.3 |
| 40° | 587.3 | 591.5 | 592.1 | 592.7 | 597.8 | 606.8 | 609.9 | 615.8 | 621.2 | 629.1 | 632.8 |
| 42.5° | 656.2 | 660.7 | 666.1 | 672.3 | 679.9 | 685.0 | 690.9 | 699.4 | 701.7 | 711.5 | 714.1 |
| 45° | 750.5 | 755.9 | 770.3 | 771.7 | 785.2 | 792.0 | 801.9 | 813.2 | 816.0 | 822.5 | 819.1 |
| 47.5° | 844.5 | 850.7 | 866.6 | 882.9 | 895.4 | 907.2 | 910.0 | 914.8 | 919.1 | 915.1 | 916.3 |
| 50° | 948.7 | 957.8 | 972.7 | 987.1 | 996.4 | 1010.0 | 1010.0 | 1011.1 | 1007.2 | 1000.7 | 990.2 |
| 52.5° | 1070.7 | 1072.1 | 1081.7 | 1093.0 | 1101.5 | 1104.3 | 1104.3 | 1097.8 | 1088.2 | 1077.8 | 1057.4 |
| 55° | 1274.3 | 1258.8 | 1261.6 | 1261.6 | 1255.4 | 1250.3 | 1246.3 | 1230.5 | 1211.6 | 1192.7 | 1174.0 |
| 57.5° | 1641.1 | 1655.8 | 1612.0 | 1600.1 | 1600.7 | 1562.0 | 1546.2 | 1519.1 | 1498.8 | 1464.9 | 1436.4 |
| 60° | 2164.3 | 2154.1 | 2139.7 | 2126.2 | 2127.3 | 2076.2 | 2040.3 | 1999.9 | 1964.7 | 1890.1 | 1858.5 |
| 62.5° | 2441.3 | 2477.4 | 2498.0 | 2487.6 | 2463.6 | 2431.7 | 2372.9 | 2311.7 | 2249.6 | 2186.3 | 2129.5 |
| 64° | 2451.4 | 2499.2 | 2539.8 | 2556.8 | 2545.5 | 2505.1 | 2445.2 | 2369.0 | 2295.0 | 2220.5 | 2151.9 |
| 65° | 2402.3 | 2462.7 | 2515.2 | 2539.0 | 2539.5 | 2504.0 | 2444.1 | 2367.3 | 2288.2 | 2201.8 | 2130.4 |
| 67.5° | 2198.4 | 2267.9 | 2319.6 | 2359.4 | 2393.6 | 2375.5 | 2334.0 | 2252.4 | 2177.5 | 2079.6 | 2001.4 |
| 70° | 1892.6 | 1935.6 | 1993.7 | 2051.9 | 2079.3 | 2083.5 | 2068.0 | 2026.8 | 1939.2 | 1859.6 | 1758.8 |
| 72.5° | 1458.7 | 1525.3 | 1491.1 | 1527.0 | 1549.9 | 1527.6 | 1530.4 | 1460.1 | 1431.8 | 1361.8 | 1290.9 |
| 75° | 772.5 | 774.8 | 760.1 | 653.4 | 640.1 | 591.3 | 645.5 | 548.6 | 515.6 | 485.1 | 445.8 |
| 77.5° | 358.3 | 312.0 | 268.8 | 224.5 | 183.5 | 160.7 | 125.4 | 110.4 | 99.4 | 87.5 | 90.1 |
| 80° | 299.6 | 264.0 | 226.2 | 187.5 | 157.6 | 127.3 | 102.2 | 79.3 | 63.5 | 53.4 | 48.6 |
| 82.5° | 265.1 | 233.8 | 207.5 | 183.8 | 162.4 | 132.7 | 109.0 | 84.1 | 64.7 | 48.8 | 37.8 |
| 85° | 119.7 | 93.7 | 85.3 | 67.2 | 57.0 | 48.6 | 38.7 | 31.9 | 26.3 | 22.3 | 17.5 |
| 87.5° | 28.0 | 19.2 | 16.4 | 15.5 | 13.6 | 12.7 | 10.7 | 11.3 | 9.3 | 7.3 | 7.6 |
| 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: P140906

CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 | 255.0 |
| 2.5° | 256.1 | 256.1 | 256.4 | 256.4 | 256.7 | 257.2 | 258.1 | 257.2 | 257.2 | 257.2 | 257.5 |
| 5° | 263.4 | 263.7 | 263.4 | 263.4 | 264.0 | 264.9 | 265.1 | 263.4 | 262.6 | 261.7 | 260.6 |
| 7.5° | 274.2 | 275.3 | 275.0 | 275.0 | 275.6 | 275.6 | 275.0 | 272.5 | 269.9 | 266.0 | 262.6 |
| 10° | 289.1 | 289.7 | 289.7 | 289.7 | 290.5 | 291.1 | 288.6 | 282.9 | 276.1 | 269.1 | 262.9 |
| 12.5° | 306.9 | 306.6 | 307.5 | 308.3 | 307.8 | 307.8 | 303.0 | 294.2 | 283.2 | 271.6 | 260.9 |
| 15° | 325.6 | 325.8 | 325.8 | 327.3 | 327.5 | 326.4 | 318.8 | 305.2 | 288.3 | 270.8 | 253.6 |
| 17.5° | 343.1 | 343.6 | 343.9 | 345.0 | 346.5 | 343.3 | 332.3 | 314.0 | 289.1 | 262.9 | 239.7 |
| 20° | 357.7 | 358.6 | 359.4 | 360.3 | 361.7 | 359.4 | 344.8 | 318.2 | 284.6 | 250.2 | 223.6 |
| 22.5° | 371.0 | 372.4 | 373.0 | 374.4 | 376.7 | 373.8 | 356.1 | 318.2 | 274.5 | 236.3 | 205.6 |
| 25° | 387.1 | 388.8 | 391.6 | 392.2 | 396.1 | 393.0 | 365.1 | 316.0 | 262.9 | 218.8 | 186.1 |
| 27.5° | 408.3 | 410.0 | 412.5 | 413.9 | 418.7 | 414.5 | 371.9 | 310.0 | 248.5 | 199.9 | 167.2 |
| 30° | 436.2 | 437.9 | 441.0 | 442.5 | 451.2 | 437.1 | 376.4 | 301.0 | 231.8 | 177.9 | 145.4 |
| 32.5° | 475.2 | 479.7 | 479.4 | 483.1 | 491.0 | 462.2 | 378.4 | 288.3 | 210.9 | 155.6 | 125.1 |
| 35° | 526.3 | 529.4 | 532.2 | 537.3 | 541.0 | 489.0 | 376.9 | 271.6 | 184.9 | 132.4 | 107.3 |
| 37.5° | 575.4 | 580.8 | 582.8 | 586.2 | 585.3 | 507.1 | 371.3 | 245.7 | 156.7 | 111.8 | 95.2 |
| 40° | 636.7 | 639.8 | 646.0 | 649.1 | 634.2 | 524.3 | 358.0 | 210.9 | 128.5 | 98.3 | 87.2 |
| 42.5° | 718.3 | 722.3 | 719.2 | 718.3 | 689.5 | 533.9 | 332.6 | 176.2 | 107.6 | 88.4 | 80.8 |
| 45° | 817.4 | 819.1 | 809.8 | 803.6 | 753.3 | 533.1 | 295.6 | 143.4 | 93.2 | 81.0 | 75.1 |
| 47.5° | 906.9 | 903.5 | 891.4 | 882.1 | 808.7 | 513.3 | 249.3 | 118.3 | 85.6 | 75.1 | 70.6 |
| 50° | 980.9 | 965.9 | 953.0 | 941.1 | 853.0 | 483.1 | 205.0 | 99.7 | 78.2 | 70.3 | 66.1 |
| 52.5° | 1047.8 | 1027.5 | 1012.3 | 992.2 | 893.4 | 443.3 | 169.7 | 87.0 | 70.9 | 65.5 | 61.3 |
| 55° | 1146.9 | 1123.2 | 1103.7 | 1084.0 | 964.8 | 412.2 | 146.8 | 77.4 | 63.5 | 60.4 | 56.5 |
| 57.5° | 1431.3 | 1367.7 | 1350.5 | 1332.7 | 1156.3 | 405.5 | 133.6 | 69.7 | 57.9 | 55.6 | 53.1 |
| 60° | 1820.1 | 1778.9 | 1751.2 | 1707.7 | 1474.2 | 427.2 | 123.7 | 64.1 | 53.9 | 52.5 | 50.3 |
| 62.5° | 2073.6 | 2023.9 | 1978.2 | 1933.9 | 1660.8 | 426.6 | 111.5 | 60.4 | 51.7 | 51.4 | 48.0 |
| 64° | 2089.7 | 2034.1 | 1983.0 | 1935.3 | 1666.8 | 398.7 | 100.5 | 57.9 | 51.7 | 51.7 | 46.6 |
| 65° | 2063.2 | 2007.3 | 1954.5 | 1904.8 | 1632.9 | 377.2 | 93.2 | 56.8 | 52.5 | 52.2 | 45.7 |
| 67.5° | 1927.9 | 1871.8 | 1812.5 | 1759.1 | 1489.4 | 295.6 | 73.7 | 54.8 | 57.0 | 55.1 | 44.9 |
| 70° | 1688.8 | 1625.0 | 1580.4 | 1542.0 | 1278.5 | 206.4 | 58.4 | 55.9 | 62.4 | 58.4 | 47.2 |
| 72.5° | 1224.0 | 1172.1 | 1171.5 | 1128.0 | 967.9 | 131.0 | 47.2 | 55.6 | 62.1 | 57.9 | 48.8 |
| 75° | 475.5 | 407.7 | 405.5 | 420.7 | 411.7 | 70.9 | 40.7 | 49.1 | 50.8 | 48.3 | 43.2 |
| 77.5° | 81.3 | 79.9 | 79.1 | 83.3 | 91.8 | 39.2 | 37.3 | 41.8 | 37.8 | 34.2 | 35.9 |
| 80° | 45.2 | 43.2 | 42.6 | 42.6 | 40.1 | 32.2 | 33.0 | 33.3 | 27.4 | 25.4 | 29.6 |
| 82.5° | 31.3 | 29.1 | 28.0 | 27.1 | 26.3 | 28.8 | 29.4 | 26.3 | 19.8 | 19.5 | 27.7 |
| 85° | 15.2 | 14.4 | 14.1 | 14.1 | 16.1 | 27.1 | 24.3 | 20.3 | 13.3 | 13.3 | 29.9 |
| 87.5° | 6.5 | 6.5 | 5.6 | 5.6 | 8.8 | 17.2 | 11.0 | 8.5 | 5.4 | 6.2 | 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: P140906

CATALOG NUMBER: ECM-F01-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 255.0 | 255.0 | 255.0 |
| 2.5° | 257.2 | 257.8 | 257.5 |
| 5° | 259.2 | 259.2 | 258.6 |
| 7.5° | 258.9 | 257.8 | 257.2 |
| 10° | 257.2 | 254.1 | 253.8 |
| 12.5° | 252.7 | 247.6 | 246.2 |
| 15° | 239.7 | 232.9 | 231.3 |
| 17.5° | 223.3 | 215.4 | 213.2 |
| 20° | 204.7 | 195.7 | 192.6 |
| 22.5° | 186.6 | 176.2 | 173.1 |
| 25° | 166.9 | 156.4 | 154.7 |
| 27.5° | 145.1 | 135.2 | 132.7 |
| 30° | 125.1 | 116.6 | 114.6 |
| 32.5° | 107.0 | 101.1 | 101.1 |
| 35° | 95.2 | 90.1 | 90.1 |
| 37.5° | 85.8 | 83.6 | 83.3 |
| 40° | 79.6 | 77.6 | 77.4 |
| 42.5° | 74.8 | 72.6 | 72.3 |
| 45° | 69.7 | 67.5 | 67.5 |
| 47.5° | 64.9 | 62.4 | 62.7 |
| 50° | 60.1 | 58.2 | 58.2 |
| 52.5° | 56.2 | 54.2 | 53.9 |
| 55° | 52.5 | 50.5 | 50.3 |
| 57.5° | 49.1 | 46.9 | 46.6 |
| 60° | 45.7 | 43.5 | 42.9 |
| 62.5° | 42.9 | 40.4 | 39.8 |
| 64° | 41.2 | 38.7 | 38.1 |
| 65° | 40.4 | 37.6 | 37.3 |
| 67.5° | 39.5 | 35.9 | 35.6 |
| 70° | 42.6 | 35.3 | 33.9 |
| 72.5° | 42.9 | 34.4 | 32.8 |
| 75° | 40.7 | 32.8 | 31.3 |
| 77.5° | 35.9 | 29.9 | 28.2 |
| 80° | 34.4 | 23.4 | 20.6 |
| 82.5° | 31.6 | 19.2 | 16.1 |
| 85° | 26.0 | 12.4 | 11.6 |
| 87.5° | 15.0 | 8.2 | 5.9 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)