

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: P163466

Luminaire Tested: **RDG-E01-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P163466
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: RDG-E01-LED-E-U-SL2-HSS-7030
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1624.4 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

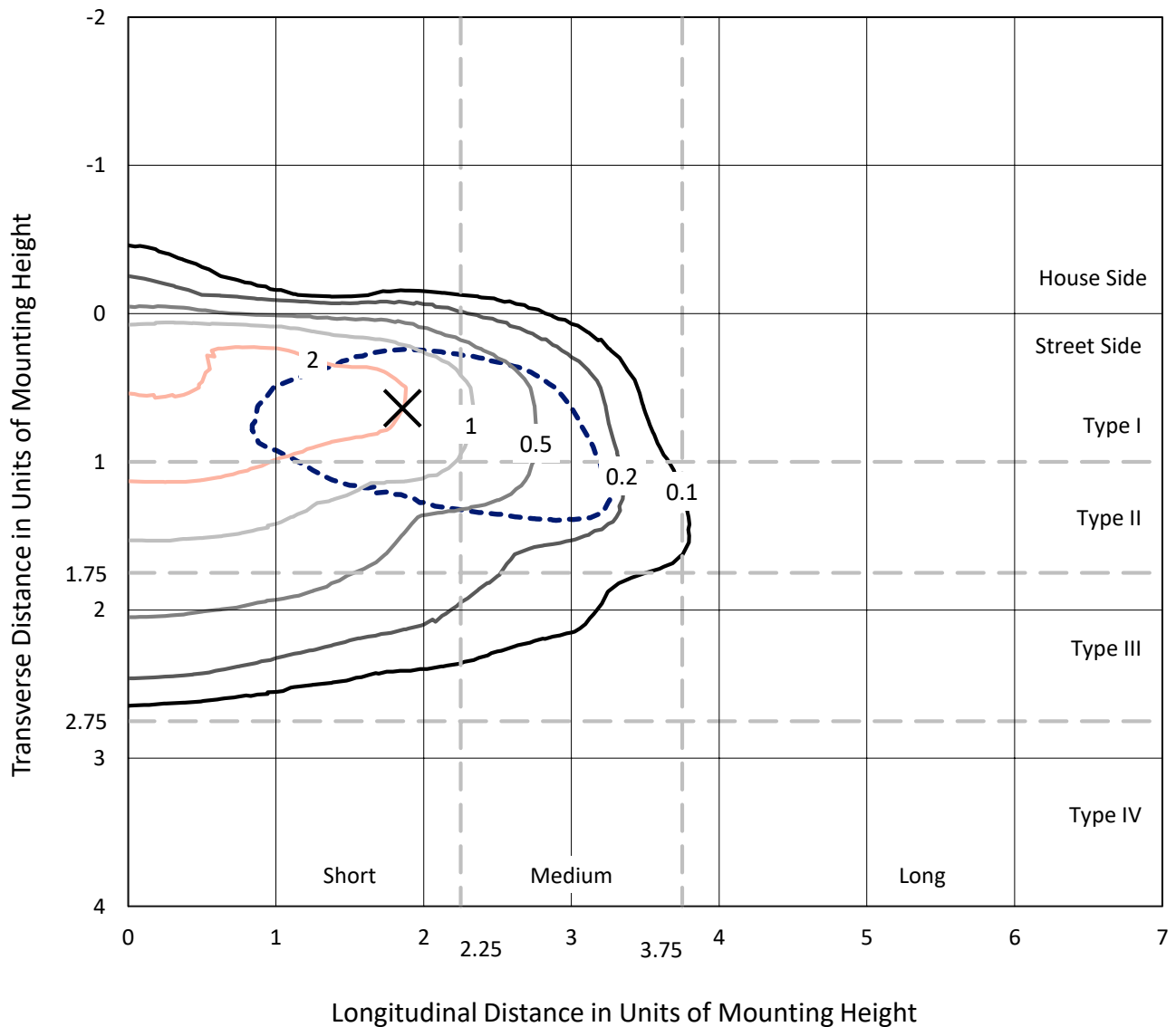
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

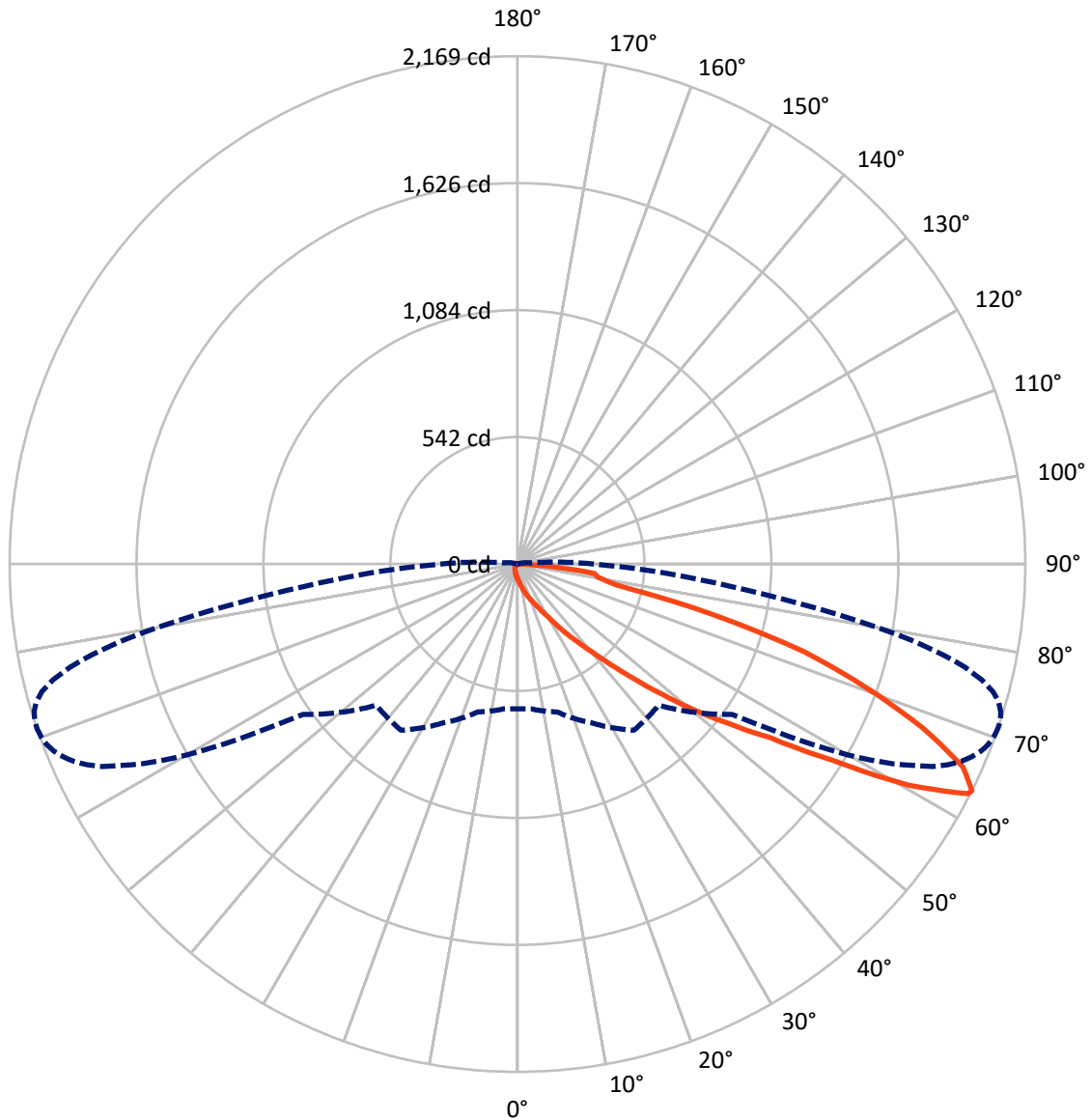
✕ Max cd
 - - - 1/2 Max cd



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

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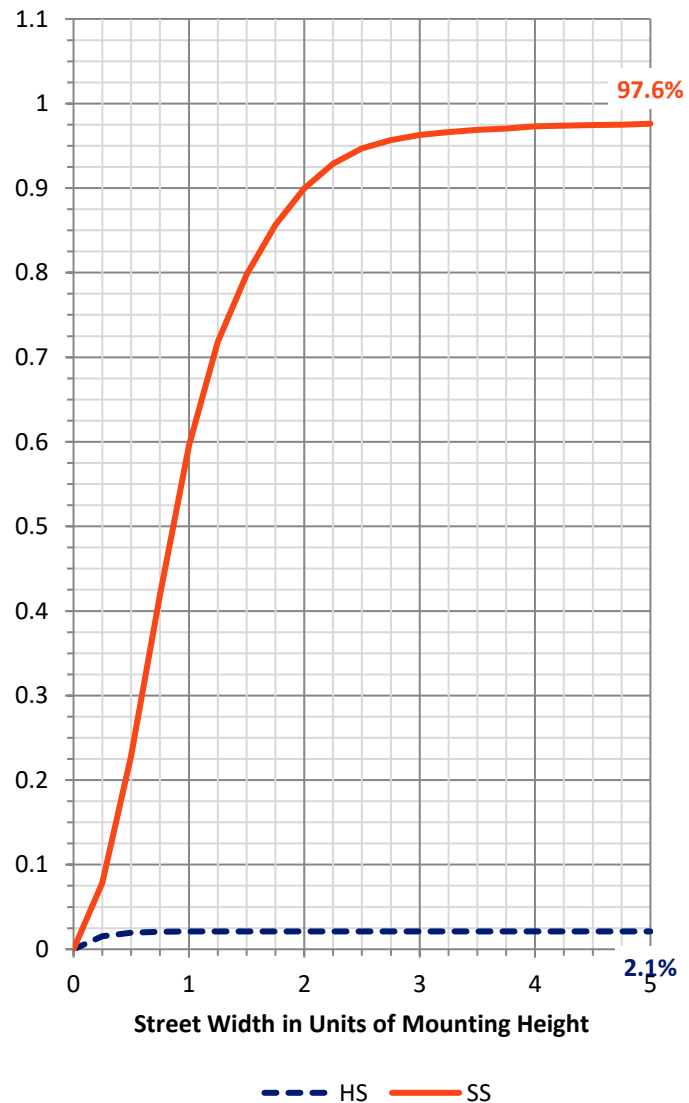
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 34.5 | 0.0 | 34.5 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 1589.9 | 0.0 | 1589.9 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 1624.4 | 0.0 | 1624.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.9 | 0.4 |
| 10°-20° | 26.7 | 1.6 |
| 20°-30° | 54.3 | 3.3 |
| 30°-40° | 132.5 | 8.2 |
| 40°-50° | 296.4 | 18.2 |
| 50°-60° | 416.8 | 25.7 |
| 60°-70° | 490.1 | 30.2 |
| 70°-80° | 177.0 | 10.9 |
| 80°-90° | 23.7 | 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° | 1624.4 | 100.0 |
| 0°-180° | 1624.4 | 100.0 |



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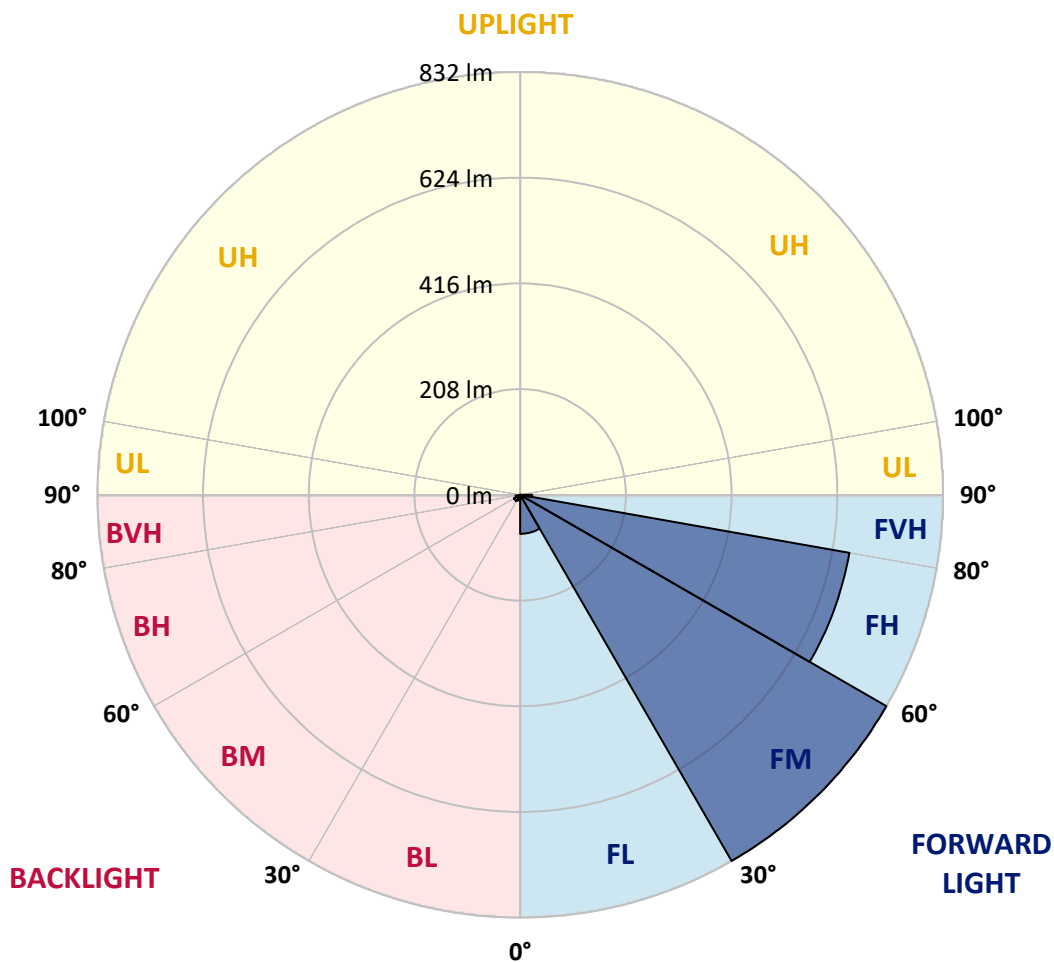
CATALOG NUMBER: RDG-E01-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 76.8 | 4.7 | | | |
| FM (30°-60°) | 831.9 | 51.2 | | | |
| FH (60°-80°) | 657.7 | 40.5 | | | G0/660 |
| FVH (80°-90°) | 23.6 | 1.5 | | | G1/100 |
| BL (0°-30°) | 11.1 | 0.7 | B0/110 | | |
| BM (30°-60°) | 13.9 | 0.9 | B0/220 | | |
| BH (60°-80°) | 9.5 | 0.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.1 | 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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 2.5° | 81.5 | 82.4 | 81.8 | 80.3 | 78.5 | 76.2 | 74.1 | 74.1 | 73.8 | 72.9 | 73.2 |
| 5° | 106.9 | 107.2 | 106.0 | 102.5 | 99.2 | 94.2 | 88.6 | 88.0 | 87.4 | 86.5 | 86.2 |
| 7.5° | 131.7 | 132.9 | 131.7 | 127.9 | 121.4 | 113.7 | 104.8 | 104.0 | 102.2 | 102.2 | 101.0 |
| 10° | 157.1 | 157.1 | 155.9 | 151.5 | 145.6 | 134.7 | 123.4 | 122.0 | 119.9 | 119.3 | 117.5 |
| 12.5° | 175.1 | 175.1 | 174.5 | 172.2 | 167.4 | 157.7 | 144.1 | 142.6 | 140.0 | 139.1 | 137.0 |
| 15° | 182.2 | 182.2 | 182.5 | 184.6 | 184.9 | 180.4 | 166.3 | 165.1 | 162.4 | 160.1 | 159.2 |
| 17.5° | 186.6 | 186.3 | 186.3 | 189.3 | 194.6 | 197.6 | 188.4 | 187.2 | 184.3 | 183.1 | 180.1 |
| 20° | 196.4 | 195.8 | 194.0 | 194.0 | 199.0 | 209.4 | 209.4 | 209.1 | 205.8 | 205.0 | 203.5 |
| 22.5° | 210.9 | 210.3 | 205.0 | 200.5 | 202.9 | 215.9 | 228.0 | 227.4 | 226.2 | 225.0 | 224.1 |
| 25° | 234.5 | 232.4 | 223.3 | 210.3 | 208.2 | 222.1 | 242.2 | 243.6 | 244.5 | 244.5 | 245.1 |
| 27.5° | 270.2 | 267.6 | 251.3 | 227.1 | 217.9 | 232.1 | 257.8 | 260.8 | 263.4 | 264.0 | 266.7 |
| 30° | 319.8 | 315.1 | 291.8 | 256.3 | 235.4 | 246.9 | 280.8 | 284.1 | 287.9 | 289.1 | 293.2 |
| 32.5° | 401.3 | 398.7 | 376.2 | 323.1 | 278.2 | 275.8 | 313.0 | 317.2 | 322.2 | 324.3 | 329.3 |
| 35° | 525.4 | 526.0 | 507.6 | 459.8 | 397.8 | 365.3 | 370.6 | 374.2 | 375.9 | 382.1 | 384.8 |
| 37.5° | 609.5 | 611.0 | 615.1 | 596.2 | 551.9 | 518.9 | 477.2 | 481.1 | 471.9 | 472.8 | 473.1 |
| 40° | 655.6 | 660.3 | 684.5 | 702.8 | 699.3 | 680.1 | 646.7 | 648.8 | 631.7 | 627.8 | 609.2 |
| 42.5° | 686.3 | 692.5 | 731.2 | 787.9 | 816.8 | 834.3 | 826.6 | 825.7 | 812.4 | 807.4 | 791.7 |
| 45° | 705.5 | 711.1 | 759.8 | 843.4 | 910.2 | 961.0 | 981.9 | 984.3 | 973.1 | 968.0 | 955.0 |
| 47.5° | 704.6 | 711.1 | 763.4 | 864.1 | 962.4 | 1043.6 | 1102.7 | 1105.6 | 1112.4 | 1108.0 | 1108.9 |
| 50° | 665.6 | 671.8 | 724.4 | 828.9 | 947.1 | 1081.4 | 1189.5 | 1199.0 | 1209.9 | 1217.3 | 1220.8 |
| 52.5° | 618.4 | 622.8 | 669.5 | 768.7 | 881.5 | 1065.8 | 1240.9 | 1257.2 | 1273.4 | 1287.3 | 1297.0 |
| 55° | 601.0 | 606.0 | 642.6 | 725.0 | 828.9 | 1000.2 | 1264.8 | 1288.8 | 1311.8 | 1334.5 | 1353.1 |
| 57.5° | 610.1 | 614.8 | 641.1 | 704.3 | 797.6 | 931.1 | 1271.6 | 1308.8 | 1346.6 | 1383.5 | 1420.2 |
| 60° | 643.8 | 648.8 | 671.2 | 723.5 | 789.4 | 891.2 | 1245.0 | 1306.8 | 1369.7 | 1434.1 | 1494.6 |
| 62.5° | 630.5 | 632.6 | 665.6 | 757.2 | 848.4 | 857.3 | 1148.5 | 1234.7 | 1330.7 | 1429.9 | 1527.7 |
| 63° | 617.8 | 620.2 | 653.8 | 748.0 | 866.5 | 852.3 | 1118.7 | 1209.6 | 1310.9 | 1417.8 | 1524.1 |
| 65° | 560.2 | 560.5 | 586.2 | 660.6 | 846.4 | 861.1 | 985.8 | 1072.6 | 1188.9 | 1317.1 | 1451.5 |
| 67.5° | 418.2 | 416.1 | 440.9 | 497.6 | 664.5 | 861.4 | 846.1 | 894.8 | 975.7 | 1089.4 | 1209.9 |
| 70° | 148.3 | 145.0 | 185.2 | 263.7 | 414.0 | 704.6 | 727.1 | 730.3 | 752.7 | 814.2 | 889.8 |
| 72.5° | 48.1 | 49.0 | 59.1 | 96.6 | 190.8 | 474.3 | 658.3 | 648.2 | 642.3 | 642.0 | 652.1 |
| 75° | 19.2 | 19.5 | 23.6 | 42.8 | 85.6 | 228.6 | 576.5 | 582.1 | 584.1 | 587.1 | 590.3 |
| 77.5° | 9.2 | 10.0 | 13.3 | 23.9 | 42.5 | 113.1 | 412.6 | 460.1 | 487.3 | 508.2 | 520.9 |
| 80° | 3.3 | 3.8 | 7.4 | 14.8 | 19.8 | 52.0 | 217.4 | 262.2 | 302.1 | 353.5 | 397.8 |
| 82.5° | 0.0 | 0.0 | 1.5 | 10.3 | 10.9 | 21.0 | 89.2 | 104.5 | 119.6 | 155.0 | 199.0 |
| 85° | 0.0 | 0.0 | 0.0 | 3.0 | 3.3 | 3.5 | 30.1 | 36.3 | 40.8 | 47.5 | 54.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.9 | 1.8 | 4.4 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 2.5° | 72.6 | 72.4 | 72.4 | 71.8 | 71.5 | 70.9 | 70.6 | 69.7 | 69.4 | 69.4 | 69.4 |
| 5° | 85.9 | 84.8 | 84.2 | 82.7 | 81.8 | 81.5 | 80.0 | 79.4 | 78.5 | 78.8 | 77.4 |
| 7.5° | 100.7 | 98.6 | 97.7 | 95.7 | 95.1 | 93.0 | 92.4 | 91.0 | 90.1 | 88.3 | 87.7 |
| 10° | 116.9 | 114.3 | 112.8 | 109.6 | 108.7 | 107.2 | 105.4 | 103.6 | 102.2 | 100.4 | 99.5 |
| 12.5° | 135.5 | 133.2 | 132.0 | 127.6 | 125.5 | 123.4 | 121.1 | 118.7 | 116.4 | 114.9 | 112.8 |
| 15° | 157.4 | 153.6 | 152.4 | 148.3 | 144.7 | 142.0 | 138.8 | 135.9 | 134.1 | 131.1 | 129.1 |
| 17.5° | 179.0 | 175.1 | 174.2 | 168.0 | 164.2 | 162.4 | 158.9 | 155.0 | 151.8 | 148.8 | 145.6 |
| 20° | 200.5 | 197.9 | 195.5 | 189.6 | 185.5 | 182.5 | 177.8 | 173.9 | 171.3 | 167.1 | 163.0 |
| 22.5° | 222.1 | 219.4 | 217.7 | 211.4 | 207.6 | 203.5 | 199.3 | 195.2 | 191.4 | 186.3 | 181.6 |
| 25° | 244.2 | 242.5 | 241.6 | 236.0 | 232.4 | 228.6 | 224.4 | 219.7 | 215.0 | 209.4 | 204.4 |
| 27.5° | 267.3 | 267.8 | 266.1 | 264.9 | 261.1 | 258.4 | 251.9 | 248.7 | 245.1 | 238.3 | 232.1 |
| 30° | 296.5 | 298.3 | 297.7 | 298.6 | 296.2 | 294.4 | 289.4 | 285.3 | 281.1 | 274.6 | 267.6 |
| 32.5° | 333.4 | 335.8 | 337.0 | 340.2 | 339.0 | 338.4 | 337.0 | 331.1 | 328.1 | 316.9 | 313.9 |
| 35° | 390.4 | 389.2 | 394.2 | 396.9 | 395.7 | 395.1 | 393.4 | 390.1 | 386.6 | 378.6 | 371.2 |
| 37.5° | 464.5 | 465.7 | 467.5 | 462.2 | 458.6 | 458.3 | 453.0 | 449.8 | 444.7 | 435.9 | 427.0 |
| 40° | 600.4 | 593.0 | 584.7 | 562.3 | 552.5 | 546.9 | 531.3 | 526.8 | 518.3 | 506.2 | 497.0 |
| 42.5° | 777.0 | 769.6 | 744.8 | 707.3 | 687.2 | 659.4 | 646.7 | 631.1 | 619.0 | 599.2 | 588.6 |
| 45° | 952.4 | 931.1 | 928.2 | 884.5 | 859.7 | 823.0 | 800.3 | 774.0 | 746.6 | 720.6 | 701.7 |
| 47.5° | 1100.3 | 1095.6 | 1081.2 | 1054.6 | 1031.5 | 1000.8 | 971.6 | 931.1 | 902.8 | 865.9 | 831.9 |
| 50° | 1218.8 | 1218.5 | 1213.1 | 1197.8 | 1178.6 | 1153.8 | 1128.1 | 1093.8 | 1061.7 | 1016.5 | 980.2 |
| 52.5° | 1307.4 | 1312.1 | 1313.9 | 1309.1 | 1301.7 | 1279.9 | 1266.9 | 1238.2 | 1211.1 | 1172.7 | 1133.4 |
| 55° | 1372.3 | 1389.8 | 1398.6 | 1408.6 | 1406.6 | 1398.9 | 1398.3 | 1379.7 | 1367.3 | 1336.9 | 1309.1 |
| 57.5° | 1452.6 | 1481.3 | 1508.8 | 1557.5 | 1559.3 | 1576.4 | 1585.2 | 1594.1 | 1596.5 | 1584.4 | 1575.2 |
| 60° | 1554.8 | 1613.3 | 1665.3 | 1767.2 | 1793.7 | 1835.7 | 1862.8 | 1892.4 | 1917.5 | 1919.5 | 1918.9 |
| 62.5° | 1626.9 | 1717.0 | 1800.8 | 1952.0 | 2003.7 | 2052.1 | 2088.4 | 2117.1 | 2134.5 | 2152.2 | 2160.5 |
| 63° | 1628.9 | 1727.6 | 1816.8 | 1972.7 | 2027.0 | 2073.1 | 2107.6 | 2134.2 | 2152.5 | 2163.2 | 2168.5 |
| 65° | 1579.0 | 1698.6 | 1805.0 | 1960.3 | 2011.4 | 2057.7 | 2075.8 | 2093.2 | 2102.0 | 2106.2 | 2090.5 |
| 67.5° | 1338.4 | 1455.3 | 1579.3 | 1753.0 | 1796.7 | 1852.2 | 1867.0 | 1875.8 | 1880.0 | 1879.1 | 1865.8 |
| 70° | 1000.8 | 1098.9 | 1236.8 | 1435.2 | 1493.1 | 1547.4 | 1581.1 | 1595.6 | 1600.3 | 1598.8 | 1579.0 |
| 72.5° | 698.7 | 756.3 | 870.0 | 1090.9 | 1169.7 | 1239.4 | 1281.1 | 1302.6 | 1307.1 | 1298.2 | 1279.9 |
| 75° | 586.8 | 589.8 | 615.4 | 736.2 | 810.1 | 884.5 | 931.4 | 945.0 | 936.1 | 909.3 | 862.6 |
| 77.5° | 523.9 | 530.4 | 530.4 | 548.4 | 562.9 | 583.5 | 588.0 | 554.9 | 516.5 | 466.9 | 426.7 |
| 80° | 439.4 | 462.2 | 478.1 | 491.4 | 492.9 | 488.8 | 477.8 | 459.2 | 429.7 | 391.9 | 349.9 |
| 82.5° | 267.0 | 311.9 | 330.2 | 398.7 | 432.3 | 455.1 | 453.3 | 428.5 | 406.1 | 366.8 | 331.1 |
| 85° | 67.3 | 72.6 | 78.8 | 102.5 | 114.9 | 140.3 | 156.2 | 163.6 | 166.3 | 152.7 | 138.2 |
| 87.5° | 6.5 | 4.4 | 7.4 | 5.6 | 8.0 | 5.9 | 8.0 | 7.4 | 9.2 | 9.7 | 10.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 2.5° | 68.8 | 68.5 | 68.2 | 67.9 | 67.6 | 67.3 | 66.7 | 66.7 | 66.1 | 65.9 | 65.6 |
| 5° | 76.5 | 75.9 | 75.6 | 75.0 | 74.1 | 73.5 | 72.6 | 71.5 | 70.6 | 70.3 | 69.7 |
| 7.5° | 86.2 | 84.8 | 84.2 | 83.3 | 82.1 | 80.3 | 79.2 | 78.3 | 76.8 | 75.9 | 74.1 |
| 10° | 97.2 | 95.7 | 93.9 | 92.1 | 90.4 | 88.3 | 86.8 | 85.6 | 83.3 | 82.1 | 80.0 |
| 12.5° | 111.0 | 108.4 | 106.3 | 104.0 | 101.6 | 99.2 | 97.5 | 93.9 | 91.8 | 89.2 | 87.4 |
| 15° | 125.2 | 122.8 | 120.5 | 117.5 | 114.0 | 110.2 | 108.4 | 105.1 | 102.5 | 98.3 | 96.0 |
| 17.5° | 142.3 | 137.9 | 134.4 | 130.8 | 127.6 | 124.0 | 120.5 | 115.5 | 111.6 | 108.1 | 103.4 |
| 20° | 159.2 | 153.9 | 150.0 | 145.3 | 140.6 | 135.0 | 130.8 | 127.3 | 122.0 | 117.2 | 112.2 |
| 22.5° | 177.2 | 171.9 | 165.7 | 161.0 | 154.4 | 150.0 | 144.4 | 138.5 | 133.2 | 127.0 | 120.8 |
| 25° | 199.0 | 193.4 | 186.3 | 180.1 | 172.8 | 166.6 | 159.8 | 153.0 | 146.5 | 139.4 | 131.4 |
| 27.5° | 225.9 | 220.0 | 212.3 | 205.0 | 195.2 | 187.5 | 181.0 | 171.9 | 163.6 | 154.7 | 145.6 |
| 30° | 259.9 | 253.4 | 243.9 | 233.3 | 223.6 | 215.0 | 205.8 | 193.7 | 184.6 | 173.9 | 162.1 |
| 32.5° | 304.2 | 296.5 | 283.8 | 273.7 | 261.7 | 250.4 | 237.7 | 225.6 | 212.6 | 198.7 | 185.2 |
| 35° | 360.0 | 352.9 | 338.1 | 323.4 | 310.1 | 296.8 | 280.8 | 267.0 | 248.7 | 231.8 | 214.4 |
| 37.5° | 417.9 | 405.2 | 391.6 | 375.6 | 359.1 | 343.1 | 323.7 | 304.5 | 283.5 | 265.2 | 243.3 |
| 40° | 484.0 | 468.7 | 457.4 | 440.3 | 417.0 | 394.2 | 376.2 | 352.3 | 326.0 | 301.5 | 275.8 |
| 42.5° | 574.7 | 557.5 | 537.5 | 511.5 | 494.7 | 468.1 | 444.7 | 416.4 | 381.8 | 354.4 | 323.4 |
| 45° | 679.5 | 656.2 | 636.7 | 611.6 | 591.2 | 558.1 | 531.0 | 493.2 | 458.6 | 422.6 | 384.8 |
| 47.5° | 799.1 | 770.2 | 741.8 | 717.0 | 684.5 | 652.1 | 617.5 | 577.3 | 533.0 | 493.5 | 448.6 |
| 50° | 936.4 | 895.4 | 856.1 | 824.2 | 779.6 | 742.1 | 704.6 | 659.4 | 610.4 | 564.9 | 513.9 |
| 52.5° | 1089.1 | 1041.6 | 989.6 | 940.6 | 888.9 | 840.8 | 795.6 | 743.6 | 689.0 | 633.4 | 576.5 |
| 55° | 1273.4 | 1237.7 | 1176.5 | 1114.2 | 1045.1 | 980.7 | 922.6 | 858.2 | 791.7 | 718.8 | 658.8 |
| 57.5° | 1561.9 | 1544.5 | 1493.4 | 1431.1 | 1341.0 | 1262.8 | 1164.1 | 1085.3 | 989.0 | 888.6 | 811.2 |
| 60° | 1952.9 | 1931.4 | 1902.7 | 1852.2 | 1780.7 | 1674.4 | 1565.8 | 1443.2 | 1296.7 | 1157.6 | 1025.6 |
| 62.5° | 2161.4 | 2153.7 | 2130.4 | 2095.5 | 2028.8 | 1944.9 | 1835.4 | 1700.7 | 1535.3 | 1366.4 | 1198.1 |
| 63° | 2167.6 | 2157.9 | 2137.8 | 2102.3 | 2043.6 | 1962.4 | 1854.9 | 1724.0 | 1562.2 | 1390.0 | 1218.2 |
| 65° | 2083.7 | 2079.9 | 2059.5 | 2020.8 | 1980.7 | 1918.7 | 1835.4 | 1722.9 | 1587.0 | 1424.3 | 1253.3 |
| 67.5° | 1848.1 | 1836.5 | 1805.3 | 1793.4 | 1765.4 | 1722.3 | 1658.8 | 1581.4 | 1484.2 | 1356.4 | 1208.7 |
| 70° | 1563.1 | 1546.0 | 1506.7 | 1485.7 | 1451.5 | 1424.3 | 1385.6 | 1330.4 | 1270.4 | 1181.3 | 1071.1 |
| 72.5° | 1261.0 | 1225.6 | 1189.5 | 1134.9 | 1087.1 | 1038.6 | 995.8 | 956.8 | 891.0 | 854.9 | 771.4 |
| 75° | 818.9 | 754.5 | 692.8 | 610.1 | 535.7 | 469.8 | 405.8 | 373.3 | 305.6 | 278.2 | 238.9 |
| 77.5° | 388.6 | 352.6 | 304.2 | 266.7 | 218.8 | 178.7 | 145.9 | 109.6 | 85.9 | 67.3 | 51.4 |
| 80° | 313.6 | 283.2 | 254.0 | 220.0 | 184.0 | 146.8 | 112.5 | 84.2 | 59.7 | 41.3 | 29.2 |
| 82.5° | 279.7 | 246.6 | 210.6 | 187.2 | 162.7 | 133.2 | 109.3 | 89.2 | 65.9 | 48.1 | 32.8 |
| 85° | 108.7 | 91.6 | 70.6 | 57.6 | 44.9 | 36.9 | 33.4 | 23.0 | 18.0 | 14.2 | 10.9 |
| 87.5° | 9.4 | 7.7 | 6.2 | 4.1 | 4.4 | 2.4 | 2.6 | 1.8 | 1.5 | 1.5 | 1.2 |
| 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: P163466

CATALOG NUMBER: RDG-E01-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0° | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 2.5° | 65.3 | 65.0 | 64.7 | 64.1 | 64.1 | 63.5 | 63.2 | 62.9 | 61.4 | 58.2 | 55.5 |
| 5° | 68.5 | 67.9 | 67.3 | 66.4 | 65.9 | 65.0 | 64.4 | 63.5 | 60.2 | 54.0 | 48.7 |
| 7.5° | 73.2 | 72.1 | 71.2 | 69.4 | 68.5 | 67.3 | 66.4 | 65.0 | 59.7 | 50.2 | 42.8 |
| 10° | 78.8 | 76.8 | 75.3 | 73.2 | 71.5 | 70.0 | 68.5 | 66.4 | 59.1 | 46.1 | 37.5 |
| 12.5° | 85.6 | 83.3 | 80.3 | 78.0 | 75.6 | 73.5 | 71.5 | 68.8 | 58.2 | 42.5 | 33.4 |
| 15° | 92.4 | 88.9 | 86.8 | 83.6 | 80.3 | 77.4 | 74.4 | 72.1 | 58.5 | 38.7 | 29.8 |
| 17.5° | 100.1 | 96.6 | 92.1 | 88.6 | 85.1 | 81.2 | 77.7 | 72.9 | 57.0 | 35.7 | 27.2 |
| 20° | 107.5 | 102.5 | 98.3 | 93.9 | 88.9 | 84.2 | 79.7 | 75.6 | 55.8 | 32.8 | 24.8 |
| 22.5° | 115.5 | 109.6 | 104.2 | 98.6 | 92.4 | 87.1 | 81.8 | 76.5 | 53.7 | 30.1 | 22.7 |
| 25° | 125.2 | 118.4 | 110.7 | 104.0 | 97.5 | 91.0 | 84.2 | 77.7 | 51.7 | 27.8 | 21.3 |
| 27.5° | 137.0 | 128.2 | 120.5 | 111.9 | 102.8 | 94.5 | 87.1 | 80.0 | 49.6 | 26.0 | 19.8 |
| 30° | 152.1 | 141.8 | 130.8 | 119.9 | 110.2 | 100.7 | 90.4 | 81.5 | 47.5 | 24.2 | 18.3 |
| 32.5° | 172.2 | 159.2 | 145.9 | 133.2 | 120.2 | 108.1 | 97.2 | 85.6 | 46.4 | 22.7 | 16.8 |
| 35° | 198.7 | 181.9 | 165.7 | 149.7 | 134.1 | 119.3 | 105.1 | 92.1 | 46.4 | 21.0 | 15.1 |
| 37.5° | 223.8 | 204.4 | 183.7 | 163.9 | 145.3 | 128.2 | 111.3 | 95.7 | 44.0 | 19.5 | 13.6 |
| 40° | 251.0 | 227.7 | 203.5 | 180.1 | 157.7 | 136.4 | 117.2 | 99.2 | 41.9 | 17.7 | 12.1 |
| 42.5° | 292.7 | 263.1 | 231.5 | 204.4 | 177.5 | 151.2 | 127.3 | 106.0 | 39.3 | 15.9 | 10.6 |
| 45° | 347.3 | 309.8 | 272.6 | 239.5 | 205.2 | 173.1 | 144.7 | 118.4 | 38.7 | 14.5 | 9.2 |
| 47.5° | 405.8 | 361.5 | 317.8 | 275.5 | 235.4 | 197.9 | 163.9 | 132.3 | 38.7 | 13.0 | 8.0 |
| 50° | 463.9 | 408.4 | 361.8 | 312.7 | 267.6 | 223.3 | 182.8 | 146.8 | 39.0 | 11.8 | 6.5 |
| 52.5° | 516.5 | 457.2 | 404.9 | 348.2 | 298.3 | 246.9 | 202.9 | 161.0 | 38.4 | 10.3 | 5.3 |
| 55° | 589.4 | 519.8 | 459.2 | 396.6 | 338.1 | 280.3 | 230.3 | 182.2 | 38.7 | 9.2 | 4.4 |
| 57.5° | 723.8 | 642.0 | 569.1 | 487.0 | 419.6 | 344.9 | 284.4 | 225.9 | 42.2 | 7.7 | 3.3 |
| 60° | 916.7 | 810.3 | 707.9 | 607.8 | 522.1 | 433.2 | 354.7 | 285.9 | 49.6 | 6.2 | 2.4 |
| 62.5° | 1046.3 | 907.2 | 785.0 | 674.5 | 575.0 | 482.0 | 396.3 | 318.0 | 54.6 | 5.0 | 1.5 |
| 63° | 1059.6 | 915.8 | 792.9 | 678.9 | 577.3 | 484.3 | 398.1 | 320.4 | 54.9 | 4.7 | 1.5 |
| 65° | 1084.7 | 930.5 | 797.4 | 679.8 | 575.0 | 481.1 | 396.9 | 320.1 | 55.5 | 3.8 | 1.2 |
| 67.5° | 1056.0 | 907.8 | 771.7 | 654.4 | 554.3 | 461.9 | 382.1 | 308.3 | 55.2 | 2.6 | 0.9 |
| 70° | 944.4 | 821.6 | 702.0 | 592.7 | 501.7 | 418.2 | 347.9 | 281.1 | 50.8 | 1.8 | 0.6 |
| 72.5° | 693.4 | 609.8 | 517.1 | 438.2 | 378.0 | 313.9 | 267.8 | 211.1 | 39.3 | 1.2 | 0.3 |
| 75° | 205.5 | 187.2 | 157.4 | 138.8 | 122.6 | 101.3 | 90.1 | 70.3 | 20.1 | 0.6 | 0.0 |
| 77.5° | 41.0 | 37.2 | 33.4 | 30.4 | 28.6 | 24.5 | 23.3 | 19.2 | 8.3 | 0.3 | 0.0 |
| 80° | 21.6 | 17.7 | 15.1 | 13.3 | 11.5 | 9.4 | 8.0 | 6.5 | 1.5 | 0.0 | 0.0 |
| 82.5° | 20.7 | 13.9 | 10.0 | 8.3 | 7.1 | 5.6 | 4.4 | 3.3 | 0.9 | 0.0 | 0.0 |
| 85° | 7.7 | 5.9 | 4.4 | 3.5 | 3.0 | 2.6 | 2.1 | 1.8 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.2 | 0.9 | 0.9 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 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 |



REPORT NUMBER: P163466

CATALOG NUMBER: RDG-E01-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|
| 0° | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 2.5° | 52.9 | 50.5 | 49.3 | 47.8 | 47.8 | 47.5 | 48.1 |
| 5° | 44.0 | 40.8 | 38.4 | 36.6 | 36.9 | 36.0 | 36.3 |
| 7.5° | 37.2 | 34.0 | 31.9 | 30.7 | 30.4 | 30.1 | 30.1 |
| 10° | 32.2 | 29.2 | 27.5 | 26.6 | 26.3 | 26.3 | 26.3 |
| 12.5° | 28.6 | 25.7 | 24.2 | 23.6 | 23.6 | 23.3 | 23.3 |
| 15° | 25.7 | 23.3 | 21.8 | 21.3 | 21.3 | 21.0 | 21.3 |
| 17.5° | 23.3 | 21.0 | 19.8 | 19.2 | 19.2 | 18.9 | 18.9 |
| 20° | 21.3 | 19.2 | 18.0 | 17.1 | 17.1 | 16.8 | 17.1 |
| 22.5° | 19.5 | 17.4 | 15.9 | 15.4 | 15.1 | 14.8 | 15.1 |
| 25° | 17.7 | 15.7 | 14.2 | 13.3 | 13.0 | 13.0 | 12.7 |
| 27.5° | 16.2 | 14.2 | 12.4 | 11.5 | 11.2 | 11.2 | 10.9 |
| 30° | 14.8 | 12.4 | 10.6 | 9.7 | 9.4 | 9.4 | 9.4 |
| 32.5° | 13.3 | 10.6 | 9.2 | 8.3 | 8.0 | 8.0 | 8.0 |
| 35° | 11.8 | 9.2 | 7.7 | 6.8 | 6.5 | 6.5 | 6.5 |
| 37.5° | 10.0 | 7.7 | 5.9 | 5.3 | 5.0 | 4.7 | 4.7 |
| 40° | 8.6 | 5.9 | 4.4 | 3.8 | 3.3 | 3.3 | 3.3 |
| 42.5° | 7.1 | 4.7 | 3.3 | 2.4 | 2.1 | 1.8 | 2.1 |
| 45° | 5.9 | 3.5 | 2.1 | 1.2 | 0.9 | 0.9 | 0.9 |
| 47.5° | 4.7 | 2.4 | 0.9 | 0.3 | 0.3 | 0.3 | 0.3 |
| 50° | 3.5 | 1.5 | 0.3 | 0.0 | 0.0 | 0.3 | 0.3 |
| 52.5° | 2.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.3 | 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)