

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: P163471

Luminaire Tested: **RDG-F01-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P163471  
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-F01-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: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 1341 lumens  
Efficiency: N/A  
Efficacy: 51.8 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): 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: 28.75 FT



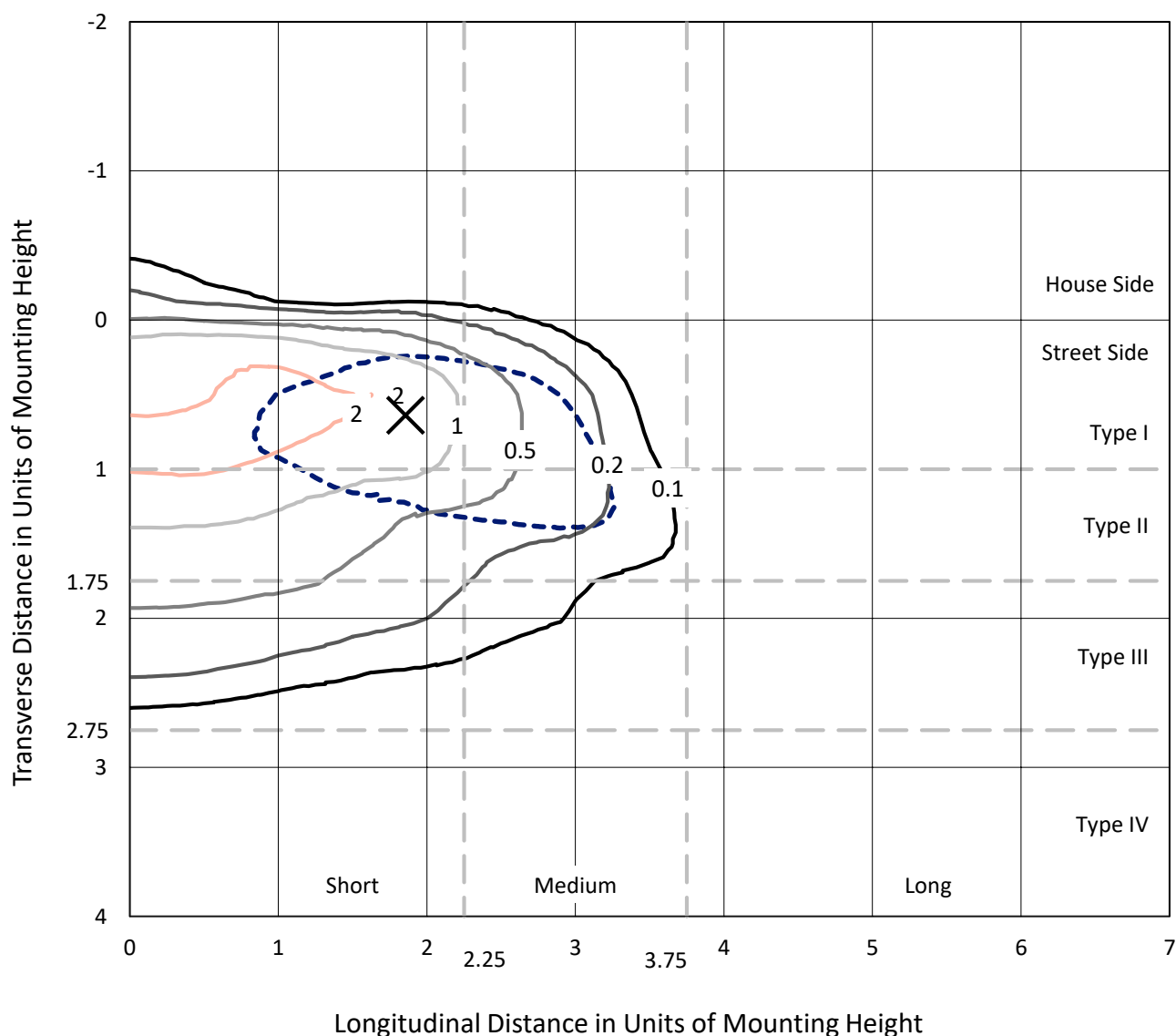
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

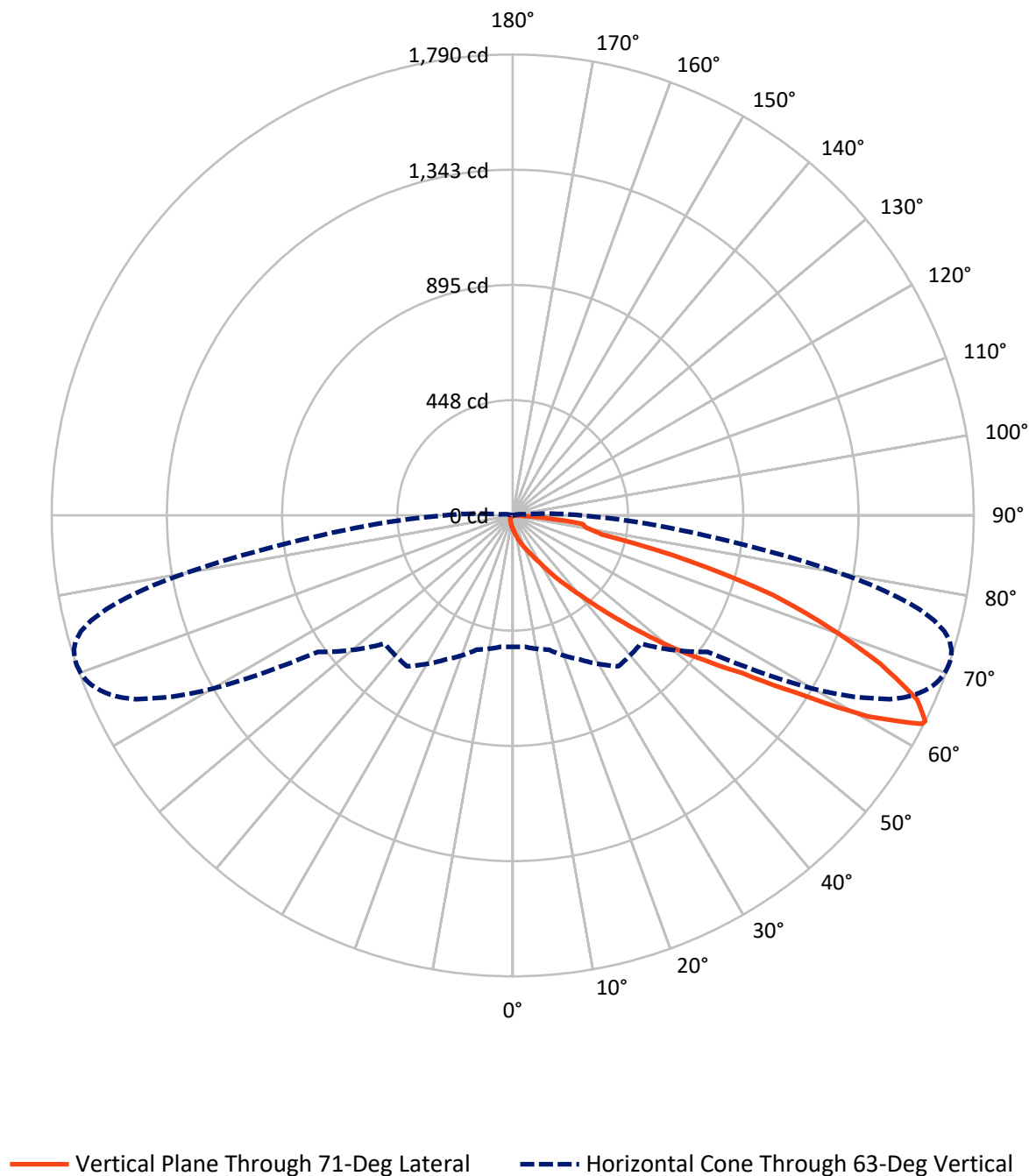


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 28.5     | 0.0    | 28.5   |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 1312.5   | 0.0    | 1312.5 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 1341.0   | 0.0    | 1341.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.7    | 0.4       |
| 10°-20°   | 22.0   | 1.6       |
| 20°-30°   | 44.8   | 3.3       |
| 30°-40°   | 109.4  | 8.2       |
| 40°-50°   | 244.7  | 18.2      |
| 50°-60°   | 344.1  | 25.7      |
| 60°-70°   | 404.6  | 30.2      |
| 70°-80°   | 146.1  | 10.9      |
| 80°-90°   | 19.5   | 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°    | 1341.0 | 100.0     |
| 0°-180°   | 1341.0 | 100.0     |

**Coefficient of Utilization**



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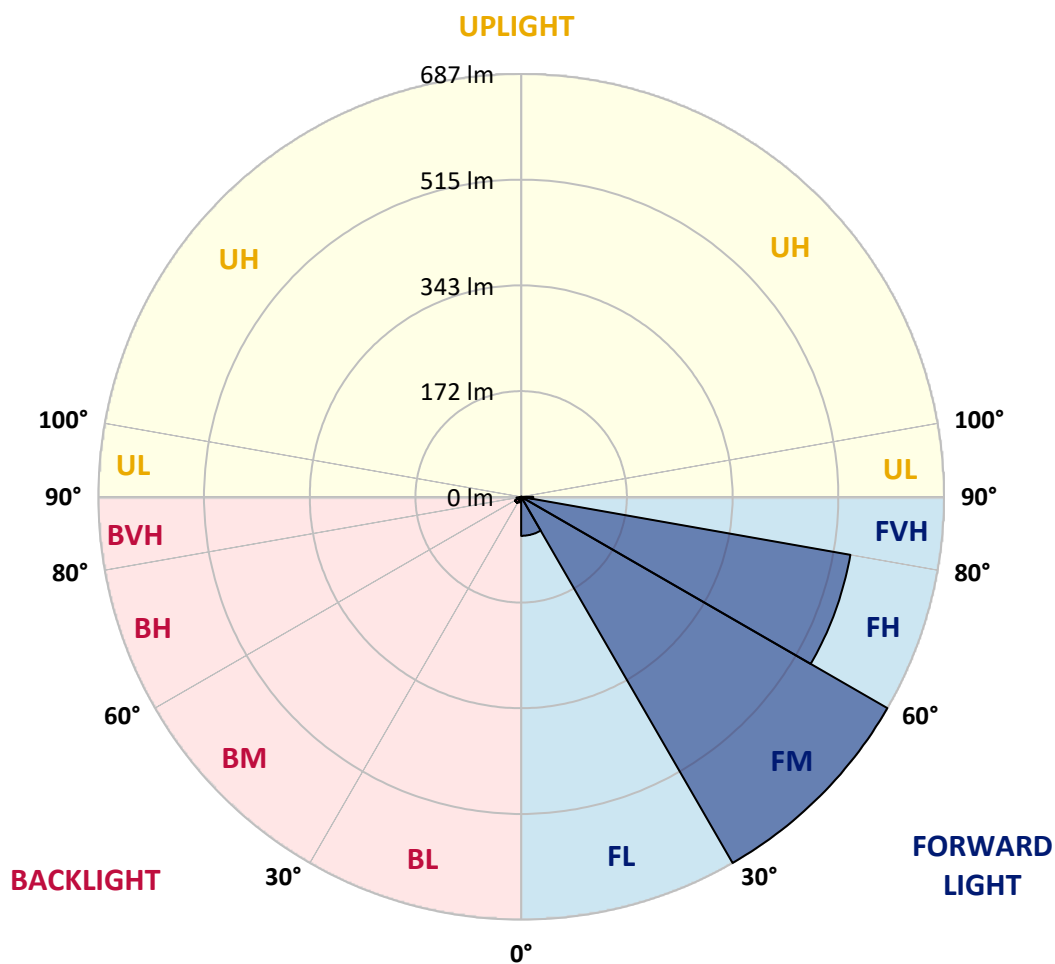
CATALOG NUMBER: RDG-F01-LED-E-U-SL2-HSS-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 63.4   | 4.7       |                         |      |        |
| FM   | (30°-60°)   | 686.8  | 51.2      |                         |      |        |
| FH   | (60°-80°)   | 542.9  | 40.5      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 19.5   | 1.5       |                         |      | G1/100 |
| BL   | (0°-30°)    | 9.2    | 0.7       | B0/110                  |      |        |
| BM   | (30°-60°)   | 11.5   | 0.9       | B0/220                  |      |        |
| BH   | (60°-80°)   | 7.8    | 0.6       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 0.0    | 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°    | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   |
| 2.5°  | 67.3  | 68.0  | 67.5  | 66.3  | 64.8  | 62.9  | 61.2   | 61.2   | 61.0   | 60.2   | 60.5   |
| 5°    | 88.2  | 88.5  | 87.5  | 84.6  | 81.9  | 77.8  | 73.1   | 72.7   | 72.2   | 71.4   | 71.2   |
| 7.5°  | 108.7 | 109.7 | 108.7 | 105.6 | 100.2 | 93.9  | 86.5   | 85.8   | 84.4   | 84.4   | 83.4   |
| 10°   | 129.7 | 129.7 | 128.7 | 125.1 | 120.2 | 111.2 | 101.9  | 100.7  | 99.0   | 98.5   | 97.0   |
| 12.5° | 144.6 | 144.6 | 144.1 | 142.1 | 138.2 | 130.2 | 119.0  | 117.7  | 115.6  | 114.8  | 113.1  |
| 15°   | 150.4 | 150.4 | 150.7 | 152.4 | 152.6 | 149.0 | 137.3  | 136.3  | 134.1  | 132.1  | 131.4  |
| 17.5° | 154.1 | 153.8 | 153.8 | 156.3 | 160.7 | 163.1 | 155.5  | 154.6  | 152.1  | 151.1  | 148.7  |
| 20°   | 162.1 | 161.6 | 160.2 | 160.2 | 164.3 | 172.8 | 172.8  | 172.6  | 169.9  | 169.2  | 168.0  |
| 22.5° | 174.1 | 173.6 | 169.2 | 165.5 | 167.5 | 178.2 | 188.2  | 187.7  | 186.7  | 185.8  | 185.0  |
| 25°   | 193.6 | 191.9 | 184.3 | 173.6 | 171.9 | 183.3 | 199.9  | 201.1  | 201.9  | 201.9  | 202.3  |
| 27.5° | 223.1 | 220.9 | 207.5 | 187.5 | 179.9 | 191.6 | 212.8  | 215.3  | 217.5  | 217.9  | 220.1  |
| 30°   | 264.0 | 260.1 | 240.9 | 211.6 | 194.3 | 203.8 | 231.8  | 234.5  | 237.7  | 238.7  | 242.1  |
| 32.5° | 331.3 | 329.1 | 310.6 | 266.7 | 229.7 | 227.7 | 258.4  | 261.8  | 266.0  | 267.7  | 271.8  |
| 35°   | 433.7 | 434.2 | 419.1 | 379.6 | 328.4 | 301.6 | 306.0  | 308.9  | 310.3  | 315.5  | 317.7  |
| 37.5° | 503.2 | 504.4 | 507.8 | 492.2 | 455.6 | 428.3 | 394.0  | 397.1  | 389.6  | 390.3  | 390.6  |
| 40°   | 541.2 | 545.1 | 565.1 | 580.2 | 577.3 | 561.4 | 533.9  | 535.6  | 521.5  | 518.3  | 502.9  |
| 42.5° | 566.6 | 571.7 | 603.6 | 650.4 | 674.3 | 688.7 | 682.4  | 681.6  | 670.7  | 666.5  | 653.6  |
| 45°   | 582.4 | 587.0 | 627.3 | 696.3 | 751.4 | 793.3 | 810.6  | 812.5  | 803.3  | 799.1  | 788.4  |
| 47.5° | 581.7 | 587.0 | 630.2 | 713.3 | 794.5 | 861.5 | 910.3  | 912.7  | 918.3  | 914.7  | 915.4  |
| 50°   | 549.5 | 554.6 | 598.0 | 684.3 | 781.8 | 892.8 | 982.0  | 989.8  | 998.8  | 1004.9 | 1007.8 |
| 52.5° | 510.5 | 514.1 | 552.7 | 634.6 | 727.7 | 879.8 | 1024.4 | 1037.8 | 1051.2 | 1062.7 | 1070.7 |
| 55°   | 496.1 | 500.3 | 530.5 | 598.5 | 684.3 | 825.7 | 1044.1 | 1063.9 | 1082.9 | 1101.7 | 1117.0 |
| 57.5° | 503.7 | 507.6 | 529.3 | 581.4 | 658.5 | 768.7 | 1049.8 | 1080.5 | 1111.7 | 1142.1 | 1172.4 |
| 60°   | 531.5 | 535.6 | 554.1 | 597.3 | 651.6 | 735.7 | 1027.8 | 1078.8 | 1130.7 | 1183.8 | 1233.8 |
| 62.5° | 520.5 | 522.2 | 549.5 | 625.1 | 700.4 | 707.7 | 948.1  | 1019.3 | 1098.5 | 1180.4 | 1261.1 |
| 63°   | 510.0 | 512.0 | 539.8 | 617.5 | 715.3 | 703.6 | 923.5  | 998.6  | 1082.2 | 1170.4 | 1258.2 |
| 65°   | 462.5 | 462.7 | 483.9 | 545.3 | 698.7 | 710.9 | 813.8  | 885.4  | 981.5  | 1087.3 | 1198.2 |
| 67.5° | 345.2 | 343.5 | 364.0 | 410.8 | 548.5 | 711.1 | 698.5  | 738.7  | 805.5  | 899.3  | 998.8  |
| 70°   | 122.4 | 119.7 | 152.8 | 217.7 | 341.8 | 581.7 | 600.2  | 602.9  | 621.4  | 672.1  | 734.5  |
| 72.5° | 39.7  | 40.5  | 48.8  | 79.7  | 157.5 | 391.5 | 543.4  | 535.1  | 530.2  | 530.0  | 538.3  |
| 75°   | 15.8  | 16.1  | 19.5  | 35.3  | 70.7  | 188.7 | 475.9  | 480.5  | 482.2  | 484.7  | 487.3  |
| 77.5° | 7.6   | 8.3   | 11.0  | 19.7  | 35.1  | 93.4  | 340.6  | 379.8  | 402.3  | 419.6  | 430.0  |
| 80°   | 2.7   | 3.2   | 6.1   | 12.2  | 16.3  | 42.9  | 179.4  | 216.5  | 249.4  | 291.8  | 328.4  |
| 82.5° | 0.0   | 0.0   | 1.2   | 8.5   | 9.0   | 17.3  | 73.6   | 86.3   | 98.7   | 128.0  | 164.3  |
| 85°   | 0.0   | 0.0   | 0.0   | 2.4   | 2.7   | 2.9   | 24.9   | 30.0   | 33.6   | 39.3   | 45.3   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2    | 0.7    | 1.5    | 3.6    | 5.6    |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   |
| 2.5°  | 60.0   | 59.7   | 59.7   | 59.2   | 59.0   | 58.5   | 58.3   | 57.5   | 57.3   | 57.3   | 57.3   |
| 5°    | 70.9   | 70.0   | 69.5   | 68.3   | 67.5   | 67.3   | 66.1   | 65.6   | 64.8   | 65.1   | 63.9   |
| 7.5°  | 83.1   | 81.4   | 80.7   | 79.0   | 78.5   | 76.8   | 76.3   | 75.1   | 74.4   | 72.9   | 72.4   |
| 10°   | 96.5   | 94.3   | 93.1   | 90.4   | 89.7   | 88.5   | 87.0   | 85.6   | 84.4   | 82.9   | 82.2   |
| 12.5° | 111.9  | 109.9  | 109.0  | 105.3  | 103.6  | 101.9  | 99.9   | 98.0   | 96.1   | 94.8   | 93.1   |
| 15°   | 129.9  | 126.8  | 125.8  | 122.4  | 119.5  | 117.3  | 114.6  | 112.1  | 110.7  | 108.2  | 106.5  |
| 17.5° | 147.7  | 144.6  | 143.8  | 138.7  | 135.6  | 134.1  | 131.2  | 128.0  | 125.3  | 122.9  | 120.2  |
| 20°   | 165.5  | 163.3  | 161.4  | 156.5  | 153.1  | 150.7  | 146.8  | 143.6  | 141.4  | 138.0  | 134.6  |
| 22.5° | 183.3  | 181.1  | 179.7  | 174.5  | 171.4  | 168.0  | 164.6  | 161.1  | 158.0  | 153.8  | 149.9  |
| 25°   | 201.6  | 200.2  | 199.4  | 194.8  | 191.9  | 188.7  | 185.3  | 181.4  | 177.5  | 172.8  | 168.7  |
| 27.5° | 220.6  | 221.1  | 219.7  | 218.7  | 215.5  | 213.3  | 208.0  | 205.3  | 202.3  | 196.7  | 191.6  |
| 30°   | 244.8  | 246.2  | 245.7  | 246.5  | 244.5  | 243.1  | 238.9  | 235.5  | 232.1  | 226.7  | 220.9  |
| 32.5° | 275.2  | 277.2  | 278.2  | 280.8  | 279.9  | 279.4  | 278.2  | 273.3  | 270.8  | 261.6  | 259.1  |
| 35°   | 322.3  | 321.3  | 325.5  | 327.7  | 326.7  | 326.2  | 324.7  | 322.0  | 319.1  | 312.5  | 306.4  |
| 37.5° | 383.5  | 384.5  | 385.9  | 381.5  | 378.6  | 378.4  | 374.0  | 371.3  | 367.1  | 359.8  | 352.5  |
| 40°   | 495.6  | 489.5  | 482.7  | 464.2  | 456.1  | 451.5  | 438.6  | 434.9  | 427.8  | 417.8  | 410.3  |
| 42.5° | 641.4  | 635.3  | 614.8  | 583.9  | 567.3  | 544.4  | 533.9  | 521.0  | 511.0  | 494.6  | 485.9  |
| 45°   | 786.2  | 768.7  | 766.2  | 730.2  | 709.7  | 679.4  | 660.7  | 639.0  | 616.3  | 594.8  | 579.2  |
| 47.5° | 908.4  | 904.5  | 892.5  | 870.6  | 851.6  | 826.2  | 802.1  | 768.7  | 745.3  | 714.8  | 686.8  |
| 50°   | 1006.1 | 1005.9 | 1001.5 | 988.8  | 973.0  | 952.5  | 931.3  | 903.0  | 876.4  | 839.1  | 809.1  |
| 52.5° | 1079.3 | 1083.2 | 1084.6 | 1080.7 | 1074.6 | 1056.6 | 1045.8 | 1022.2 | 999.8  | 968.1  | 935.7  |
| 55°   | 1132.9 | 1147.3 | 1154.6 | 1162.9 | 1161.2 | 1154.8 | 1154.3 | 1139.0 | 1128.7 | 1103.6 | 1080.7 |
| 57.5° | 1199.2 | 1222.8 | 1245.5 | 1285.7 | 1287.2 | 1301.3 | 1308.7 | 1316.0 | 1317.9 | 1307.9 | 1300.4 |
| 60°   | 1283.6 | 1331.8 | 1374.7 | 1458.8 | 1480.8 | 1515.4 | 1537.8 | 1562.2 | 1582.9 | 1584.6 | 1584.1 |
| 62.5° | 1343.0 | 1417.4 | 1486.6 | 1611.4 | 1654.1 | 1694.1 | 1724.1 | 1747.7 | 1762.1 | 1776.7 | 1783.6 |
| 63°   | 1344.7 | 1426.2 | 1499.8 | 1628.5 | 1673.4 | 1711.4 | 1739.9 | 1761.9 | 1777.0 | 1785.8 | 1790.1 |
| 65°   | 1303.5 | 1402.3 | 1490.0 | 1618.3 | 1660.4 | 1698.7 | 1713.6 | 1728.0 | 1735.3 | 1738.7 | 1725.8 |
| 67.5° | 1104.9 | 1201.4 | 1303.8 | 1447.1 | 1483.2 | 1529.0 | 1541.2 | 1548.6 | 1552.0 | 1551.2 | 1540.3 |
| 70°   | 826.2  | 907.1  | 1021.0 | 1184.8 | 1232.6 | 1277.4 | 1305.2 | 1317.2 | 1321.1 | 1319.9 | 1303.5 |
| 72.5° | 576.8  | 624.3  | 718.2  | 900.6  | 965.7  | 1023.2 | 1057.6 | 1075.3 | 1079.0 | 1071.7 | 1056.6 |
| 75°   | 484.4  | 486.9  | 508.1  | 607.8  | 668.7  | 730.2  | 768.9  | 780.1  | 772.8  | 750.6  | 712.1  |
| 77.5° | 432.5  | 437.8  | 437.8  | 452.7  | 464.7  | 481.7  | 485.4  | 458.1  | 426.4  | 385.4  | 352.3  |
| 80°   | 362.8  | 381.5  | 394.7  | 405.7  | 406.9  | 403.5  | 394.4  | 379.1  | 354.7  | 323.5  | 288.9  |
| 82.5° | 220.4  | 257.4  | 272.6  | 329.1  | 356.9  | 375.7  | 374.2  | 353.7  | 335.2  | 302.8  | 273.3  |
| 85°   | 55.6   | 60.0   | 65.1   | 84.6   | 94.8   | 115.8  | 129.0  | 135.1  | 137.3  | 126.0  | 114.1  |
| 87.5° | 5.4    | 3.6    | 6.1    | 4.6    | 6.6    | 4.9    | 6.6    | 6.1    | 7.6    | 8.0    | 8.8    |
| 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):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   | 51.4   |
| 2.5°  | 56.8   | 56.6   | 56.3   | 56.1   | 55.8   | 55.6   | 55.1   | 55.1   | 54.6   | 54.4   | 54.1   |
| 5°    | 63.1   | 62.7   | 62.4   | 61.9   | 61.2   | 60.7   | 60.0   | 59.0   | 58.3   | 58.0   | 57.5   |
| 7.5°  | 71.2   | 70.0   | 69.5   | 68.7   | 67.8   | 66.3   | 65.3   | 64.6   | 63.4   | 62.7   | 61.2   |
| 10°   | 80.2   | 79.0   | 77.5   | 76.1   | 74.6   | 72.9   | 71.7   | 70.7   | 68.7   | 67.8   | 66.1   |
| 12.5° | 91.7   | 89.5   | 87.8   | 85.8   | 83.9   | 81.9   | 80.5   | 77.5   | 75.8   | 73.6   | 72.2   |
| 15°   | 103.4  | 101.4  | 99.5   | 97.0   | 94.1   | 90.9   | 89.5   | 86.8   | 84.6   | 81.2   | 79.2   |
| 17.5° | 117.5  | 113.9  | 110.9  | 108.0  | 105.3  | 102.4  | 99.5   | 95.3   | 92.2   | 89.2   | 85.3   |
| 20°   | 131.4  | 127.0  | 123.9  | 119.9  | 116.0  | 111.4  | 108.0  | 105.1  | 100.7  | 96.8   | 92.6   |
| 22.5° | 146.3  | 141.9  | 136.8  | 132.9  | 127.5  | 123.9  | 119.2  | 114.3  | 109.9  | 104.8  | 99.7   |
| 25°   | 164.3  | 159.7  | 153.8  | 148.7  | 142.6  | 137.5  | 131.9  | 126.3  | 120.9  | 115.1  | 108.5  |
| 27.5° | 186.5  | 181.6  | 175.3  | 169.2  | 161.1  | 154.8  | 149.4  | 141.9  | 135.1  | 127.7  | 120.2  |
| 30°   | 214.5  | 209.2  | 201.4  | 192.6  | 184.5  | 177.5  | 169.9  | 159.9  | 152.4  | 143.6  | 133.8  |
| 32.5° | 251.1  | 244.8  | 234.3  | 226.0  | 216.0  | 206.7  | 196.2  | 186.3  | 175.5  | 164.1  | 152.8  |
| 35°   | 297.2  | 291.3  | 279.1  | 266.9  | 256.0  | 245.0  | 231.8  | 220.4  | 205.3  | 191.4  | 177.0  |
| 37.5° | 345.0  | 334.5  | 323.3  | 310.1  | 296.4  | 283.3  | 267.2  | 251.4  | 234.0  | 218.9  | 200.9  |
| 40°   | 399.6  | 386.9  | 377.6  | 363.5  | 344.2  | 325.5  | 310.6  | 290.8  | 269.1  | 248.9  | 227.7  |
| 42.5° | 474.4  | 460.3  | 443.7  | 422.2  | 408.3  | 386.4  | 367.1  | 343.7  | 315.2  | 292.5  | 266.9  |
| 45°   | 561.0  | 541.7  | 525.6  | 504.9  | 488.1  | 460.8  | 438.3  | 407.1  | 378.6  | 348.9  | 317.7  |
| 47.5° | 659.7  | 635.8  | 612.4  | 591.9  | 565.1  | 538.3  | 509.8  | 476.6  | 440.0  | 407.4  | 370.3  |
| 50°   | 773.1  | 739.2  | 706.7  | 680.4  | 643.6  | 612.6  | 581.7  | 544.4  | 503.9  | 466.4  | 424.2  |
| 52.5° | 899.1  | 859.8  | 816.9  | 776.5  | 733.8  | 694.1  | 656.8  | 613.9  | 568.8  | 522.9  | 475.9  |
| 55°   | 1051.2 | 1021.7 | 971.2  | 919.8  | 862.8  | 809.6  | 761.6  | 708.5  | 653.6  | 593.4  | 543.9  |
| 57.5° | 1289.4 | 1275.0 | 1232.8 | 1181.4 | 1107.0 | 1042.4 | 961.0  | 895.9  | 816.5  | 733.6  | 669.7  |
| 60°   | 1612.2 | 1594.4 | 1570.7 | 1529.0 | 1470.0 | 1382.3 | 1292.6 | 1191.4 | 1070.5 | 955.7  | 846.7  |
| 62.5° | 1784.3 | 1777.9 | 1758.7 | 1729.9 | 1674.8 | 1605.6 | 1515.1 | 1404.0 | 1267.5 | 1128.0 | 989.0  |
| 63°   | 1789.4 | 1781.4 | 1764.8 | 1735.5 | 1687.0 | 1620.0 | 1531.2 | 1423.2 | 1289.6 | 1147.5 | 1005.6 |
| 65°   | 1720.2 | 1717.0 | 1700.2 | 1668.2 | 1635.1 | 1583.9 | 1515.1 | 1422.3 | 1310.1 | 1175.8 | 1034.6 |
| 67.5° | 1525.6 | 1516.1 | 1490.3 | 1480.5 | 1457.4 | 1421.8 | 1369.4 | 1305.5 | 1225.3 | 1119.7 | 997.8  |
| 70°   | 1290.4 | 1276.2 | 1243.8 | 1226.5 | 1198.2 | 1175.8 | 1143.9 | 1098.3 | 1048.8 | 975.2  | 884.2  |
| 72.5° | 1041.0 | 1011.7 | 982.0  | 936.9  | 897.4  | 857.4  | 822.0  | 789.9  | 735.5  | 705.8  | 636.8  |
| 75°   | 676.0  | 622.9  | 571.9  | 503.7  | 442.2  | 387.9  | 335.0  | 308.1  | 252.3  | 229.7  | 197.2  |
| 77.5° | 320.8  | 291.1  | 251.1  | 220.1  | 180.6  | 147.5  | 120.4  | 90.4   | 70.9   | 55.6   | 42.4   |
| 80°   | 258.9  | 233.8  | 209.7  | 181.6  | 151.9  | 121.2  | 92.9   | 69.5   | 49.3   | 34.1   | 24.1   |
| 82.5° | 230.9  | 203.6  | 173.8  | 154.6  | 134.3  | 109.9  | 90.2   | 73.6   | 54.4   | 39.7   | 27.1   |
| 85°   | 89.7   | 75.6   | 58.3   | 47.5   | 37.1   | 30.5   | 27.6   | 19.0   | 14.9   | 11.7   | 9.0    |
| 87.5° | 7.8    | 6.3    | 5.1    | 3.4    | 3.6    | 1.9    | 2.2    | 1.5    | 1.2    | 1.2    | 1.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 83°   | 84°   | 85°   | 86°   | 87°   | 88°   | 89°   | 90°   | 95°  | 105° | 115° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0°    | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4 | 51.4 | 51.4 |
| 2.5°  | 53.9  | 53.6  | 53.4  | 52.9  | 52.9  | 52.4  | 52.2  | 51.9  | 50.7 | 48.0 | 45.8 |
| 5°    | 56.6  | 56.1  | 55.6  | 54.8  | 54.4  | 53.6  | 53.1  | 52.4  | 49.7 | 44.6 | 40.2 |
| 7.5°  | 60.5  | 59.5  | 58.8  | 57.3  | 56.6  | 55.6  | 54.8  | 53.6  | 49.3 | 41.4 | 35.3 |
| 10°   | 65.1  | 63.4  | 62.2  | 60.5  | 59.0  | 57.8  | 56.6  | 54.8  | 48.8 | 38.0 | 31.0 |
| 12.5° | 70.7  | 68.7  | 66.3  | 64.4  | 62.4  | 60.7  | 59.0  | 56.8  | 48.0 | 35.1 | 27.6 |
| 15°   | 76.3  | 73.4  | 71.7  | 69.0  | 66.3  | 63.9  | 61.4  | 59.5  | 48.3 | 31.9 | 24.6 |
| 17.5° | 82.6  | 79.7  | 76.1  | 73.1  | 70.2  | 67.0  | 64.1  | 60.2  | 47.0 | 29.5 | 22.4 |
| 20°   | 88.7  | 84.6  | 81.2  | 77.5  | 73.4  | 69.5  | 65.8  | 62.4  | 46.1 | 27.1 | 20.5 |
| 22.5° | 95.3  | 90.4  | 86.1  | 81.4  | 76.3  | 71.9  | 67.5  | 63.1  | 44.4 | 24.9 | 18.8 |
| 25°   | 103.4 | 97.8  | 91.4  | 85.8  | 80.5  | 75.1  | 69.5  | 64.1  | 42.7 | 22.9 | 17.6 |
| 27.5° | 113.1 | 105.8 | 99.5  | 92.4  | 84.8  | 78.0  | 71.9  | 66.1  | 41.0 | 21.5 | 16.3 |
| 30°   | 125.6 | 117.0 | 108.0 | 99.0  | 90.9  | 83.1  | 74.6  | 67.3  | 39.3 | 20.0 | 15.1 |
| 32.5° | 142.1 | 131.4 | 120.4 | 109.9 | 99.2  | 89.2  | 80.2  | 70.7  | 38.3 | 18.8 | 13.9 |
| 35°   | 164.1 | 150.2 | 136.8 | 123.6 | 110.7 | 98.5  | 86.8  | 76.1  | 38.3 | 17.3 | 12.4 |
| 37.5° | 184.8 | 168.7 | 151.6 | 135.3 | 119.9 | 105.8 | 91.9  | 79.0  | 36.3 | 16.1 | 11.2 |
| 40°   | 207.2 | 188.0 | 168.0 | 148.7 | 130.2 | 112.6 | 96.8  | 81.9  | 34.6 | 14.6 | 10.0 |
| 42.5° | 241.6 | 217.2 | 191.1 | 168.7 | 146.5 | 124.8 | 105.1 | 87.5  | 32.4 | 13.2 | 8.8  |
| 45°   | 286.7 | 255.7 | 225.0 | 197.7 | 169.4 | 142.9 | 119.5 | 97.8  | 31.9 | 11.9 | 7.6  |
| 47.5° | 335.0 | 298.4 | 262.3 | 227.4 | 194.3 | 163.3 | 135.3 | 109.2 | 31.9 | 10.7 | 6.6  |
| 50°   | 383.0 | 337.2 | 298.6 | 258.2 | 220.9 | 184.3 | 150.9 | 121.2 | 32.2 | 9.8  | 5.4  |
| 52.5° | 426.4 | 377.4 | 334.2 | 287.4 | 246.2 | 203.8 | 167.5 | 132.9 | 31.7 | 8.5  | 4.4  |
| 55°   | 486.6 | 429.1 | 379.1 | 327.4 | 279.1 | 231.4 | 190.2 | 150.4 | 31.9 | 7.6  | 3.6  |
| 57.5° | 597.5 | 530.0 | 469.8 | 402.0 | 346.4 | 284.7 | 234.8 | 186.5 | 34.9 | 6.3  | 2.7  |
| 60°   | 756.7 | 669.0 | 584.4 | 501.7 | 431.0 | 357.6 | 292.8 | 236.0 | 41.0 | 5.1  | 1.9  |
| 62.5° | 863.7 | 748.9 | 648.0 | 556.8 | 474.7 | 397.9 | 327.2 | 262.6 | 45.1 | 4.1  | 1.2  |
| 63°   | 874.7 | 756.0 | 654.6 | 560.5 | 476.6 | 399.8 | 328.6 | 264.5 | 45.3 | 3.9  | 1.2  |
| 65°   | 895.4 | 768.2 | 658.2 | 561.2 | 474.7 | 397.1 | 327.7 | 264.3 | 45.8 | 3.2  | 1.0  |
| 67.5° | 871.8 | 749.4 | 637.0 | 540.2 | 457.6 | 381.3 | 315.5 | 254.5 | 45.6 | 2.2  | 0.7  |
| 70°   | 779.6 | 678.2 | 579.5 | 489.3 | 414.2 | 345.2 | 287.2 | 232.1 | 41.9 | 1.5  | 0.5  |
| 72.5° | 572.4 | 503.4 | 426.9 | 361.8 | 312.0 | 259.1 | 221.1 | 174.3 | 32.4 | 1.0  | 0.2  |
| 75°   | 169.7 | 154.6 | 129.9 | 114.6 | 101.2 | 83.6  | 74.4  | 58.0  | 16.6 | 0.5  | 0.0  |
| 77.5° | 33.9  | 30.7  | 27.6  | 25.1  | 23.6  | 20.2  | 19.3  | 15.8  | 6.8  | 0.2  | 0.0  |
| 80°   | 17.8  | 14.6  | 12.4  | 11.0  | 9.5   | 7.8   | 6.6   | 5.4   | 1.2  | 0.0  | 0.0  |
| 82.5° | 17.1  | 11.5  | 8.3   | 6.8   | 5.9   | 4.6   | 3.6   | 2.7   | 0.7  | 0.0  | 0.0  |
| 85°   | 6.3   | 4.9   | 3.6   | 2.9   | 2.4   | 2.2   | 1.7   | 1.5   | 0.0  | 0.0  | 0.0  |
| 87.5° | 1.0   | 0.7   | 0.7   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 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: P163471

CATALOG NUMBER: RDG-F01-LED-E-U-SL2-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|
| 0°    | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 2.5°  | 43.6 | 41.7 | 40.7 | 39.5 | 39.5 | 39.3 | 39.7 |
| 5°    | 36.3 | 33.6 | 31.7 | 30.2 | 30.5 | 29.7 | 30.0 |
| 7.5°  | 30.7 | 28.0 | 26.3 | 25.3 | 25.1 | 24.9 | 24.9 |
| 10°   | 26.6 | 24.1 | 22.7 | 21.9 | 21.7 | 21.7 | 21.7 |
| 12.5° | 23.6 | 21.2 | 20.0 | 19.5 | 19.5 | 19.3 | 19.3 |
| 15°   | 21.2 | 19.3 | 18.0 | 17.6 | 17.6 | 17.3 | 17.6 |
| 17.5° | 19.3 | 17.3 | 16.3 | 15.8 | 15.8 | 15.6 | 15.6 |
| 20°   | 17.6 | 15.8 | 14.9 | 14.1 | 14.1 | 13.9 | 14.1 |
| 22.5° | 16.1 | 14.4 | 13.2 | 12.7 | 12.4 | 12.2 | 12.4 |
| 25°   | 14.6 | 12.9 | 11.7 | 11.0 | 10.7 | 10.7 | 10.5 |
| 27.5° | 13.4 | 11.7 | 10.2 | 9.5  | 9.3  | 9.3  | 9.0  |
| 30°   | 12.2 | 10.2 | 8.8  | 8.0  | 7.8  | 7.8  | 7.8  |
| 32.5° | 11.0 | 8.8  | 7.6  | 6.8  | 6.6  | 6.6  | 6.6  |
| 35°   | 9.8  | 7.6  | 6.3  | 5.6  | 5.4  | 5.4  | 5.4  |
| 37.5° | 8.3  | 6.3  | 4.9  | 4.4  | 4.1  | 3.9  | 3.9  |
| 40°   | 7.1  | 4.9  | 3.6  | 3.2  | 2.7  | 2.7  | 2.7  |
| 42.5° | 5.9  | 3.9  | 2.7  | 1.9  | 1.7  | 1.5  | 1.7  |
| 45°   | 4.9  | 2.9  | 1.7  | 1.0  | 0.7  | 0.7  | 0.7  |
| 47.5° | 3.9  | 1.9  | 0.7  | 0.2  | 0.2  | 0.2  | 0.2  |
| 50°   | 2.9  | 1.2  | 0.2  | 0.0  | 0.0  | 0.2  | 0.2  |
| 52.5° | 2.2  | 0.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 55°   | 1.2  | 0.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 57.5° | 0.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 60°   | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 62.5° | 0.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 63°   | 0.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 65°   | 0.2  | 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)