

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: P146286

Luminaire Tested: **RDG-F01-LED-E-U-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146286
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
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-SLR-7050
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2281.6 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

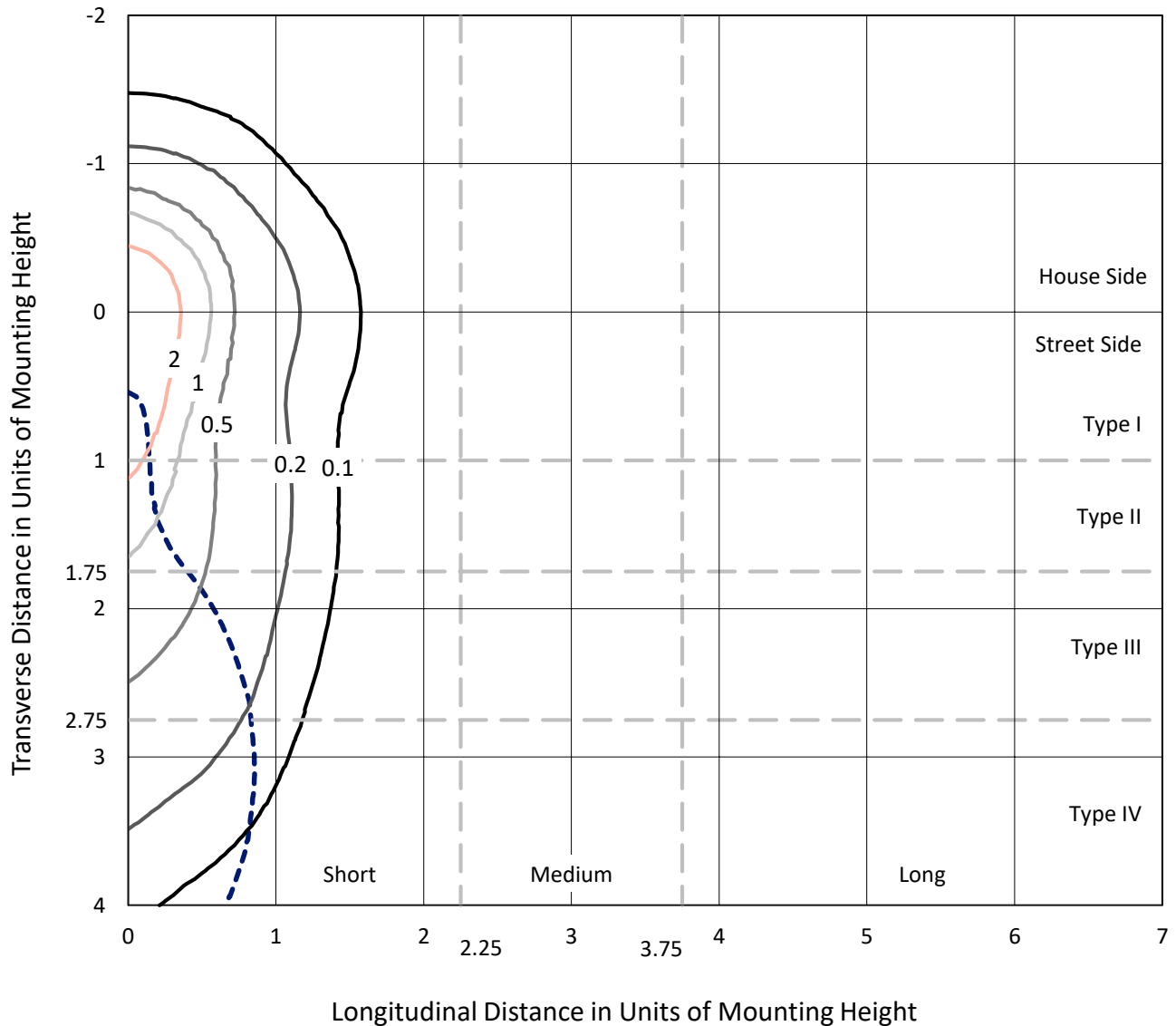
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

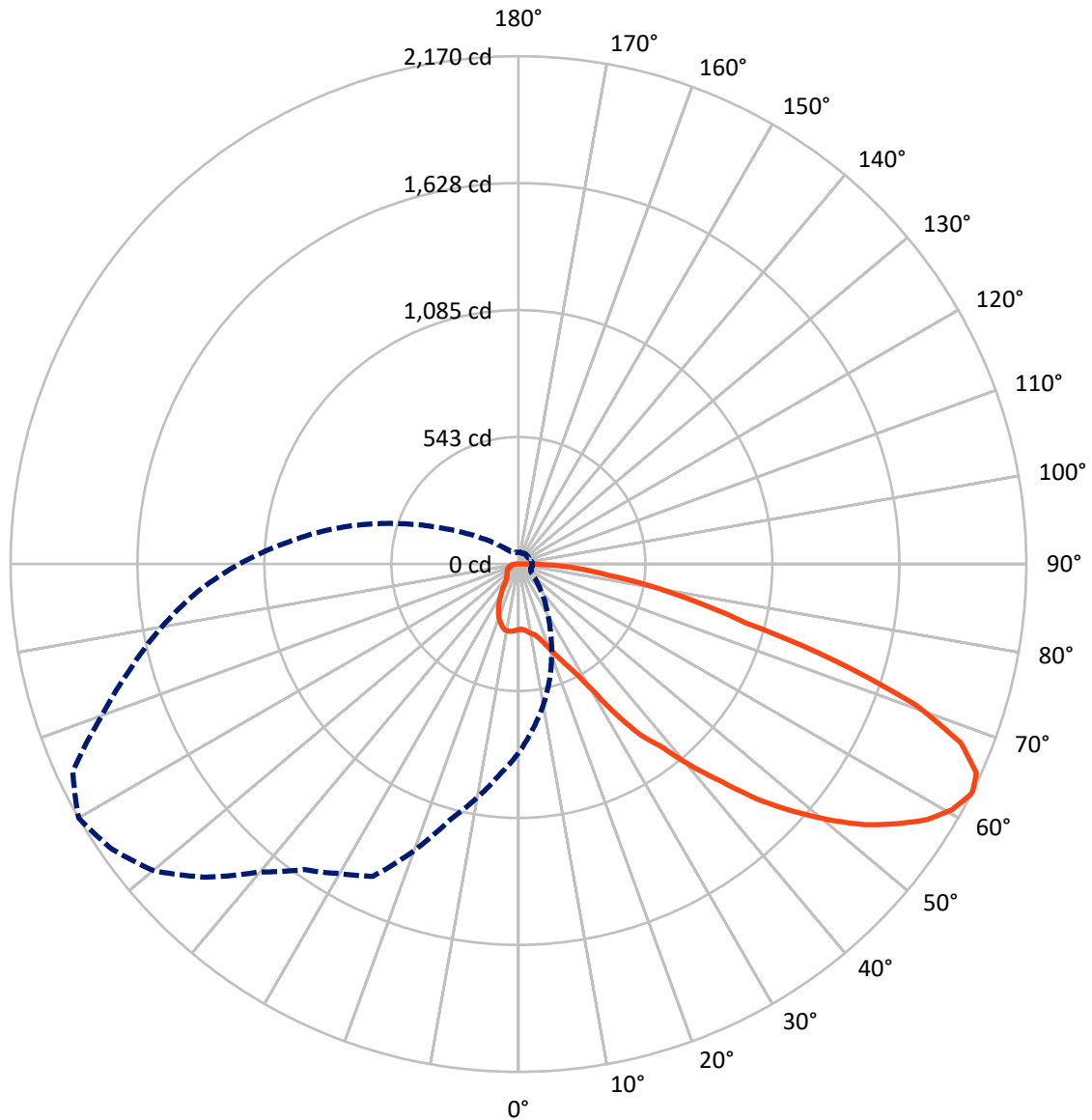
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 477.6 | 0.0 | 477.6 |
| | % Fixture | 20.9 | 0.0 | 20.9 |
| Street Side | Lumens | 1804.0 | 0.0 | 1804.0 |
| | % Fixture | 79.1 | 0.0 | 79.1 |
| Total | Lumens | 2281.6 | 0.0 | 2281.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.5 | 1.2 |
| 10°-20° | 85.9 | 3.8 |
| 20°-30° | 151.9 | 6.7 |
| 30°-40° | 239.8 | 10.5 |
| 40°-50° | 352.6 | 15.5 |
| 50°-60° | 464.5 | 20.4 |
| 60°-70° | 517.7 | 22.7 |
| 70°-80° | 340.2 | 14.9 |
| 80°-90° | 101.4 | 4.4 |
| 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° | 2281.6 | 100.0 |
| 0°-180° | 2281.6 | 100.0 |

Coefficient of Utilization



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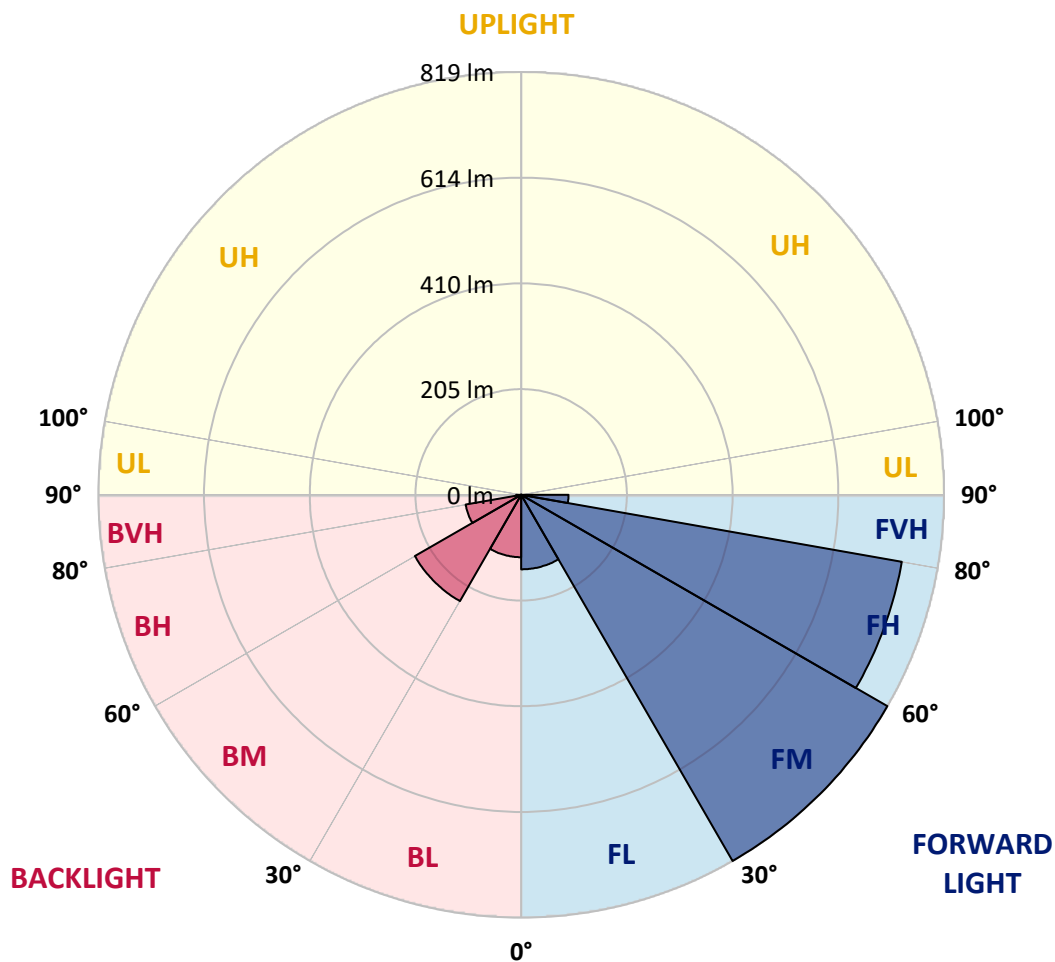
CATALOG NUMBER: RDG-F01-LED-E-U-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 144.4 | 6.3 | | | |
| FM | (30°-60°) | 819.1 | 35.9 | | | |
| FH | (60°-80°) | 748.7 | 32.8 | | | G1/1800 |
| FVH | (80°-90°) | 91.7 | 4.0 | | | G1/100 |
| BL | (0°-30°) | 120.9 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 237.8 | 10.4 | B1/1000 | | |
| BH | (60°-80°) | 109.2 | 4.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 9.8 | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 |
| 2.5° | 279.9 | 280.4 | 280.4 | 279.9 | 280.4 | 280.2 | 280.2 | 280.7 | 280.9 | 281.7 | 281.2 |
| 5° | 278.5 | 278.7 | 278.9 | 278.5 | 278.7 | 278.7 | 279.0 | 279.5 | 279.7 | 280.7 | 280.2 |
| 7.5° | 277.0 | 277.3 | 276.7 | 276.8 | 277.3 | 278.0 | 278.0 | 278.7 | 279.9 | 280.4 | 280.2 |
| 10° | 277.8 | 277.5 | 277.0 | 276.8 | 277.2 | 277.3 | 277.7 | 278.9 | 279.9 | 280.4 | 281.2 |
| 12.5° | 284.4 | 283.4 | 282.9 | 282.8 | 282.9 | 282.6 | 283.8 | 284.1 | 284.4 | 285.1 | 284.8 |
| 15° | 297.0 | 295.6 | 294.8 | 293.9 | 295.8 | 295.0 | 295.0 | 293.9 | 292.2 | 289.7 | 286.5 |
| 17.5° | 314.4 | 312.9 | 312.2 | 311.9 | 312.1 | 310.5 | 307.5 | 302.6 | 296.6 | 289.9 | 283.6 |
| 20° | 339.5 | 341.9 | 340.9 | 336.3 | 334.6 | 327.8 | 318.2 | 308.0 | 297.7 | 286.8 | 276.5 |
| 22.5° | 382.9 | 381.5 | 376.9 | 365.6 | 355.4 | 340.2 | 322.9 | 306.5 | 291.2 | 275.5 | 261.9 |
| 25° | 433.2 | 421.8 | 409.0 | 386.6 | 363.2 | 338.2 | 313.2 | 293.8 | 273.4 | 256.2 | 239.9 |
| 27.5° | 494.9 | 470.3 | 437.4 | 401.0 | 366.1 | 332.7 | 303.3 | 277.5 | 254.3 | 235.8 | 217.7 |
| 30° | 555.5 | 514.5 | 468.8 | 420.5 | 373.4 | 328.3 | 289.4 | 259.5 | 232.8 | 209.1 | 190.8 |
| 32.5° | 597.5 | 547.9 | 491.0 | 431.3 | 374.1 | 321.2 | 274.1 | 238.5 | 208.4 | 184.5 | 162.5 |
| 35° | 632.1 | 570.1 | 498.8 | 429.6 | 363.2 | 304.6 | 252.3 | 212.8 | 180.8 | 156.0 | 136.7 |
| 37.5° | 655.8 | 581.4 | 498.2 | 419.8 | 343.9 | 278.2 | 227.2 | 187.0 | 157.2 | 134.2 | 116.4 |
| 40° | 672.4 | 585.0 | 491.6 | 403.0 | 321.7 | 252.6 | 200.4 | 163.8 | 137.7 | 119.8 | 106.9 |
| 42.5° | 680.4 | 582.6 | 481.8 | 387.1 | 299.7 | 231.9 | 180.3 | 148.2 | 127.1 | 113.5 | 104.0 |
| 45° | 683.8 | 576.9 | 470.8 | 371.5 | 281.7 | 214.1 | 169.9 | 143.5 | 126.9 | 115.2 | 104.9 |
| 47.5° | 682.9 | 570.6 | 461.0 | 358.7 | 271.1 | 209.4 | 172.0 | 149.9 | 133.2 | 118.6 | 105.4 |
| 50° | 680.5 | 564.8 | 454.7 | 353.9 | 270.9 | 216.5 | 183.3 | 160.8 | 140.4 | 121.6 | 104.9 |
| 52.5° | 680.4 | 564.3 | 458.1 | 359.5 | 280.7 | 232.6 | 200.4 | 173.3 | 147.6 | 125.0 | 105.0 |
| 55° | 684.4 | 573.5 | 472.5 | 374.6 | 304.4 | 255.1 | 219.7 | 186.7 | 155.5 | 127.4 | 104.5 |
| 57.5° | 700.9 | 596.3 | 499.8 | 408.3 | 334.9 | 282.6 | 238.4 | 196.7 | 158.6 | 126.7 | 102.2 |
| 60° | 737.0 | 636.5 | 541.8 | 455.9 | 374.1 | 307.7 | 249.4 | 200.1 | 157.2 | 122.7 | 97.1 |
| 62.5° | 793.2 | 694.6 | 599.4 | 502.7 | 408.8 | 322.7 | 251.9 | 197.4 | 151.8 | 115.9 | 90.8 |
| 63° | 807.6 | 708.0 | 611.1 | 512.3 | 414.7 | 324.3 | 251.8 | 196.4 | 150.3 | 114.2 | 89.3 |
| 65° | 867.7 | 765.4 | 658.0 | 544.2 | 430.7 | 327.3 | 247.9 | 189.9 | 143.5 | 106.2 | 82.3 |
| 67.5° | 958.2 | 828.8 | 704.6 | 573.8 | 439.5 | 321.9 | 235.7 | 174.0 | 126.0 | 92.3 | 72.0 |
| 70° | 1018.5 | 870.8 | 732.4 | 583.5 | 429.1 | 297.2 | 207.7 | 145.9 | 103.0 | 76.1 | 61.5 |
| 72.5° | 1020.0 | 833.2 | 694.8 | 533.3 | 370.5 | 245.1 | 162.6 | 110.3 | 80.1 | 61.8 | 53.0 |
| 75° | 911.1 | 704.1 | 567.9 | 437.9 | 285.1 | 173.3 | 114.4 | 80.5 | 61.5 | 51.0 | 45.9 |
| 77.5° | 677.3 | 513.7 | 409.8 | 294.6 | 185.2 | 112.3 | 79.6 | 59.6 | 48.8 | 42.2 | 38.5 |
| 80° | 420.3 | 321.0 | 248.7 | 176.2 | 111.0 | 74.7 | 58.3 | 47.4 | 41.0 | 35.2 | 32.2 |
| 82.5° | 253.4 | 179.7 | 140.4 | 106.4 | 71.0 | 53.9 | 44.9 | 40.0 | 34.7 | 29.6 | 27.3 |
| 85° | 185.7 | 128.6 | 94.2 | 65.7 | 43.9 | 35.6 | 31.5 | 30.5 | 26.9 | 22.9 | 21.5 |
| 87.5° | 58.4 | 61.3 | 63.7 | 38.8 | 21.2 | 16.1 | 13.7 | 16.1 | 15.4 | 10.8 | 11.9 |
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 |
| 2.5° | 282.1 | 282.8 | 282.2 | 282.2 | 281.9 | 281.7 | 282.9 | 282.6 | 282.9 | 282.8 | 283.1 |
| 5° | 281.1 | 281.6 | 281.2 | 281.6 | 281.2 | 281.2 | 282.8 | 282.8 | 283.4 | 283.8 | 284.6 |
| 7.5° | 281.4 | 281.6 | 281.4 | 281.9 | 281.6 | 281.2 | 282.1 | 282.6 | 283.8 | 284.8 | 285.6 |
| 10° | 282.6 | 283.1 | 282.9 | 282.9 | 281.9 | 281.2 | 281.7 | 282.1 | 283.3 | 283.8 | 284.8 |
| 12.5° | 285.5 | 284.8 | 283.4 | 282.6 | 280.2 | 278.9 | 278.2 | 277.8 | 278.7 | 279.4 | 279.9 |
| 15° | 284.8 | 281.1 | 278.0 | 275.5 | 271.9 | 269.7 | 268.0 | 267.8 | 268.0 | 268.2 | 268.7 |
| 17.5° | 277.8 | 272.8 | 266.7 | 263.4 | 259.4 | 257.0 | 255.8 | 255.0 | 254.8 | 255.1 | 256.0 |
| 20° | 267.8 | 260.4 | 253.6 | 248.0 | 243.6 | 239.9 | 240.7 | 238.9 | 239.7 | 240.2 | 241.8 |
| 22.5° | 252.6 | 242.3 | 234.5 | 227.7 | 222.4 | 218.5 | 218.5 | 216.9 | 217.2 | 218.7 | 220.7 |
| 25° | 227.9 | 218.2 | 207.0 | 202.3 | 196.4 | 193.6 | 193.1 | 192.8 | 194.1 | 196.0 | 197.2 |
| 27.5° | 205.5 | 192.3 | 181.3 | 175.0 | 168.7 | 169.4 | 166.0 | 168.1 | 169.6 | 171.1 | 172.5 |
| 30° | 175.3 | 164.5 | 154.5 | 148.2 | 140.8 | 141.0 | 141.5 | 141.8 | 143.2 | 145.2 | 147.9 |
| 32.5° | 146.4 | 134.7 | 125.4 | 118.6 | 114.2 | 112.8 | 111.0 | 114.0 | 115.7 | 117.7 | 120.5 |
| 35° | 122.5 | 110.3 | 102.5 | 96.6 | 94.0 | 92.2 | 91.7 | 91.3 | 92.8 | 93.9 | 96.1 |
| 37.5° | 105.4 | 97.1 | 91.3 | 87.1 | 84.7 | 82.7 | 82.2 | 81.8 | 81.7 | 81.3 | 82.7 |
| 40° | 98.4 | 91.8 | 86.9 | 83.0 | 80.8 | 79.6 | 79.1 | 78.4 | 77.8 | 76.9 | 76.7 |
| 42.5° | 96.4 | 89.3 | 83.5 | 79.6 | 77.9 | 77.8 | 77.8 | 77.4 | 76.7 | 75.6 | 74.7 |
| 45° | 95.6 | 86.9 | 80.3 | 77.3 | 76.1 | 76.2 | 76.2 | 76.2 | 75.7 | 74.5 | 73.2 |
| 47.5° | 94.0 | 84.0 | 77.3 | 74.7 | 74.2 | 74.5 | 74.9 | 74.9 | 74.5 | 73.5 | 72.0 |
| 50° | 91.1 | 79.6 | 72.5 | 70.1 | 70.0 | 70.1 | 70.1 | 70.5 | 70.1 | 69.3 | 67.9 |
| 52.5° | 88.9 | 76.2 | 69.0 | 67.1 | 67.1 | 66.9 | 66.7 | 66.7 | 66.6 | 65.9 | 64.9 |
| 55° | 86.9 | 74.0 | 67.4 | 65.9 | 66.2 | 66.2 | 65.9 | 65.7 | 65.1 | 64.2 | 63.2 |
| 57.5° | 84.0 | 71.7 | 65.9 | 64.9 | 65.2 | 65.1 | 64.9 | 64.7 | 64.0 | 63.0 | 61.7 |
| 60° | 78.9 | 67.4 | 62.9 | 62.2 | 62.7 | 62.9 | 63.5 | 63.7 | 63.4 | 62.2 | 60.3 |
| 62.5° | 73.4 | 62.2 | 58.8 | 58.3 | 58.8 | 59.3 | 59.8 | 59.5 | 59.5 | 58.3 | 56.6 |
| 63° | 71.5 | 61.3 | 57.6 | 57.6 | 58.1 | 58.6 | 59.0 | 58.6 | 58.8 | 57.4 | 55.7 |
| 65° | 67.3 | 58.3 | 55.4 | 55.6 | 56.1 | 56.4 | 56.6 | 56.6 | 56.4 | 55.4 | 53.9 |
| 67.5° | 60.1 | 53.9 | 52.2 | 53.0 | 53.7 | 53.9 | 53.9 | 54.2 | 53.9 | 53.2 | 51.8 |
| 70° | 53.7 | 49.6 | 48.5 | 49.5 | 49.8 | 50.0 | 50.0 | 50.0 | 49.6 | 49.0 | 47.8 |
| 72.5° | 48.8 | 46.8 | 46.6 | 46.4 | 46.6 | 46.1 | 46.1 | 45.7 | 44.9 | 44.4 | 43.4 |
| 75° | 43.4 | 42.4 | 42.5 | 42.4 | 42.0 | 41.8 | 41.0 | 40.7 | 39.6 | 39.0 | 37.6 |
| 77.5° | 37.3 | 37.4 | 37.3 | 37.4 | 37.8 | 37.9 | 36.8 | 35.9 | 35.1 | 34.4 | 33.7 |
| 80° | 31.0 | 31.3 | 31.0 | 31.3 | 31.5 | 31.5 | 30.3 | 29.0 | 28.3 | 28.8 | 29.0 |
| 82.5° | 27.6 | 27.6 | 26.3 | 26.6 | 26.3 | 25.8 | 24.9 | 24.4 | 23.9 | 23.5 | 24.4 |
| 85° | 21.9 | 22.0 | 22.4 | 22.0 | 21.3 | 20.8 | 20.0 | 19.3 | 18.8 | 19.3 | 20.5 |
| 87.5° | 13.0 | 14.1 | 13.6 | 13.6 | 13.4 | 13.4 | 12.7 | 12.4 | 11.9 | 13.9 | 14.9 |
| 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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DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 | 280.2 |
| 279.2 | 279.2 | 279.0 | 279.4 | 279.5 | 280.0 | 279.9 |
| 280.4 | 279.9 | 279.4 | 279.0 | 278.7 | 278.9 | 278.5 |
| 283.4 | 281.7 | 280.4 | 279.2 | 278.2 | 278.0 | 277.0 |
| 290.2 | 287.2 | 284.6 | 282.8 | 280.7 | 279.7 | 277.8 |
| 298.8 | 295.5 | 292.2 | 289.5 | 287.2 | 285.8 | 284.4 |
| 313.9 | 309.0 | 305.1 | 302.2 | 299.9 | 298.3 | 297.0 |
| 336.3 | 330.2 | 324.3 | 318.7 | 318.0 | 314.4 | 314.4 |
| 367.1 | 358.8 | 351.2 | 346.5 | 344.3 | 339.5 | 339.5 |
| 409.8 | 401.7 | 390.3 | 384.6 | 385.1 | 381.0 | 382.9 |
| 465.0 | 458.3 | 446.6 | 444.2 | 444.2 | 439.8 | 433.2 |
| 547.9 | 545.5 | 532.6 | 535.9 | 529.1 | 512.7 | 494.9 |
| 670.9 | 670.9 | 646.0 | 628.0 | 612.4 | 586.9 | 555.5 |
| 794.0 | 778.0 | 739.8 | 709.3 | 677.0 | 637.8 | 597.5 |
| 898.1 | 855.2 | 816.6 | 779.3 | 730.7 | 688.7 | 632.1 |
| 985.8 | 945.2 | 900.9 | 844.2 | 787.1 | 728.5 | 655.8 |
| 1094.6 | 1045.1 | 978.7 | 907.4 | 837.2 | 756.6 | 672.4 |
| 1194.0 | 1132.0 | 1048.2 | 957.9 | 868.6 | 778.6 | 680.4 |
| 1287.6 | 1207.6 | 1104.1 | 995.7 | 894.0 | 792.2 | 683.8 |
| 1375.7 | 1268.4 | 1148.0 | 1022.6 | 911.5 | 799.5 | 682.9 |
| 1433.8 | 1313.0 | 1175.6 | 1038.9 | 922.0 | 802.0 | 680.5 |
| 1470.2 | 1340.2 | 1191.8 | 1047.8 | 927.2 | 802.5 | 680.4 |
| 1490.7 | 1355.7 | 1200.6 | 1054.1 | 933.0 | 805.6 | 684.4 |
| 1506.6 | 1367.9 | 1210.5 | 1064.8 | 946.7 | 819.8 | 700.9 |
| 1521.7 | 1399.9 | 1236.1 | 1084.4 | 970.6 | 846.4 | 737.0 |
| 1528.0 | 1460.7 | 1288.1 | 1120.7 | 1004.0 | 889.1 | 793.2 |
| 1527.4 | 1472.2 | 1303.1 | 1130.7 | 1012.8 | 900.4 | 807.6 |
| 1509.0 | 1508.8 | 1371.8 | 1178.5 | 1053.8 | 953.0 | 867.7 |
| 1454.3 | 1527.1 | 1447.7 | 1241.5 | 1117.5 | 1039.5 | 958.2 |
| 1367.7 | 1504.9 | 1458.0 | 1258.1 | 1162.7 | 1119.0 | 1018.5 |
| 1218.6 | 1398.9 | 1361.3 | 1187.3 | 1147.3 | 1134.6 | 1020.0 |
| 985.7 | 1124.6 | 1108.5 | 1014.3 | 1029.0 | 1055.1 | 911.1 |
| 794.0 | 789.6 | 787.3 | 753.1 | 815.7 | 868.8 | 677.3 |
| 663.3 | 546.4 | 507.4 | 494.2 | 597.5 | 638.2 | 420.3 |
| 620.1 | 490.8 | 393.7 | 377.1 | 447.8 | 469.4 | 253.4 |
| 473.9 | 476.6 | 412.5 | 353.6 | 348.3 | 318.8 | 185.7 |
| 231.9 | 235.8 | 249.2 | 227.5 | 195.2 | 164.5 | 58.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)