

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: McGRAW-EDISON

Report Number: P948345

Luminaire Tested: **GALN-SB3B-935-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3B-935-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

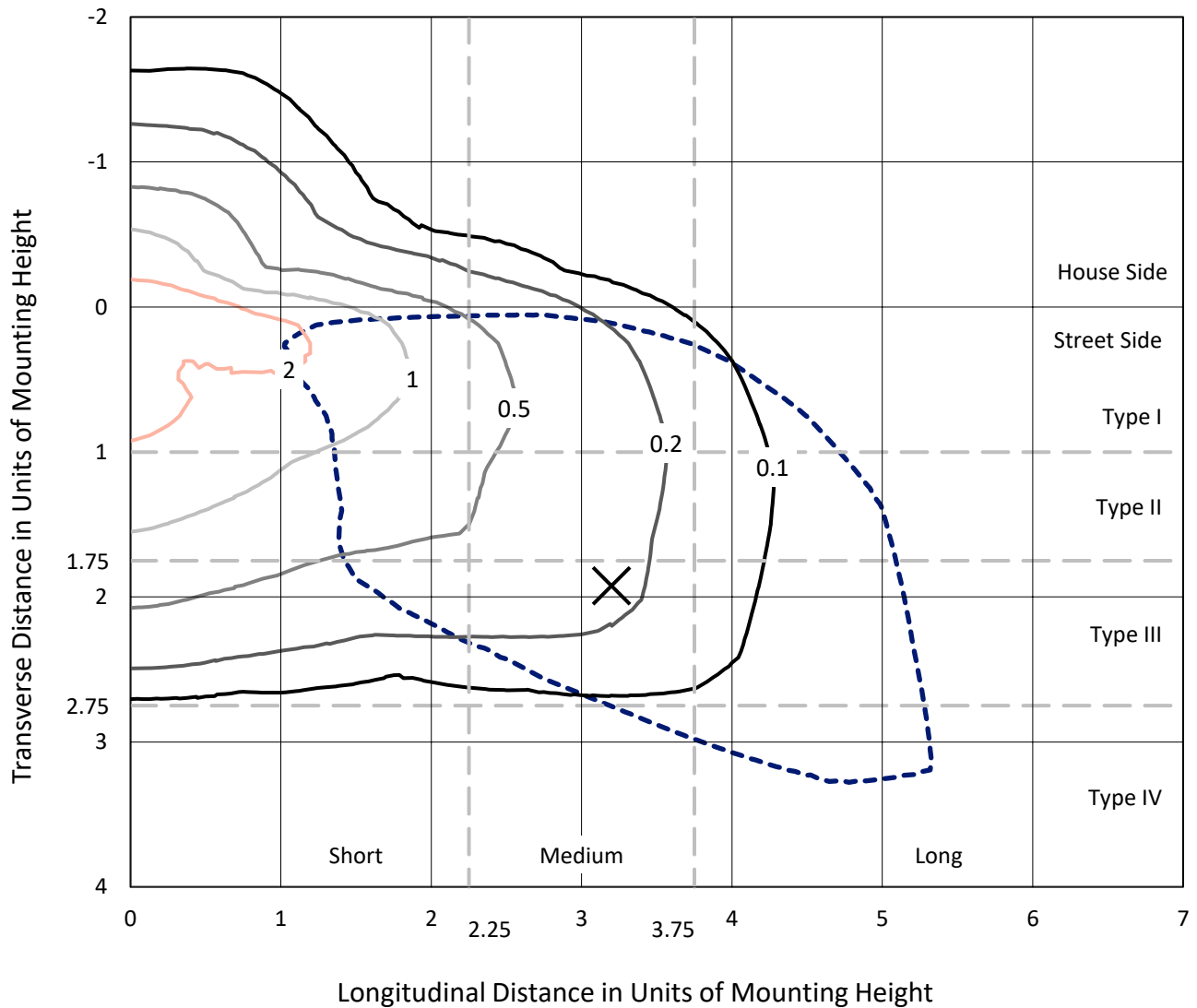
Lumens per Lamp: N/A  
Luminaire Lumens: 11487 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

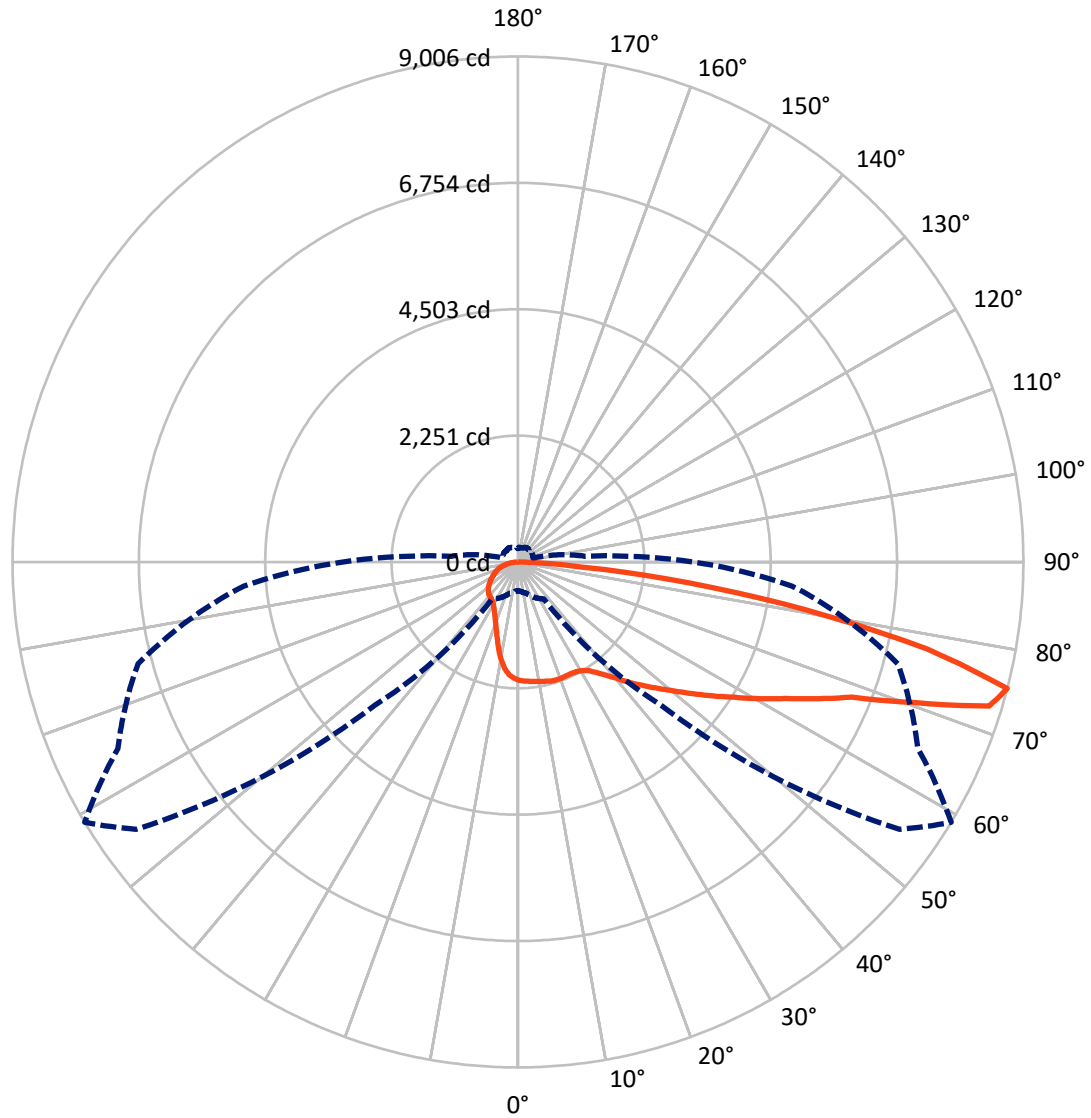
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2154.5   | 0.0    | 2154.5  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 9332.5   | 0.0    | 9332.5  |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 11487.0  | 0.0    | 11487.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 189.1   | 1.6       |
| 10°-20°   | 483.2   | 4.2       |
| 20°-30°   | 734.0   | 6.4       |
| 30°-40°   | 1091.1  | 9.5       |
| 40°-50°   | 1622.6  | 14.1      |
| 50°-60°   | 2202.5  | 19.2      |
| 60°-70°   | 2688.9  | 23.4      |
| 70°-80°   | 2110.2  | 18.4      |
| 80°-90°   | 365.5   | 3.2       |
| 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°    | 11487.0 | 100.0     |
| 0°-180°   | 11487.0 | 100.0     |

**Coefficient of Utilization**



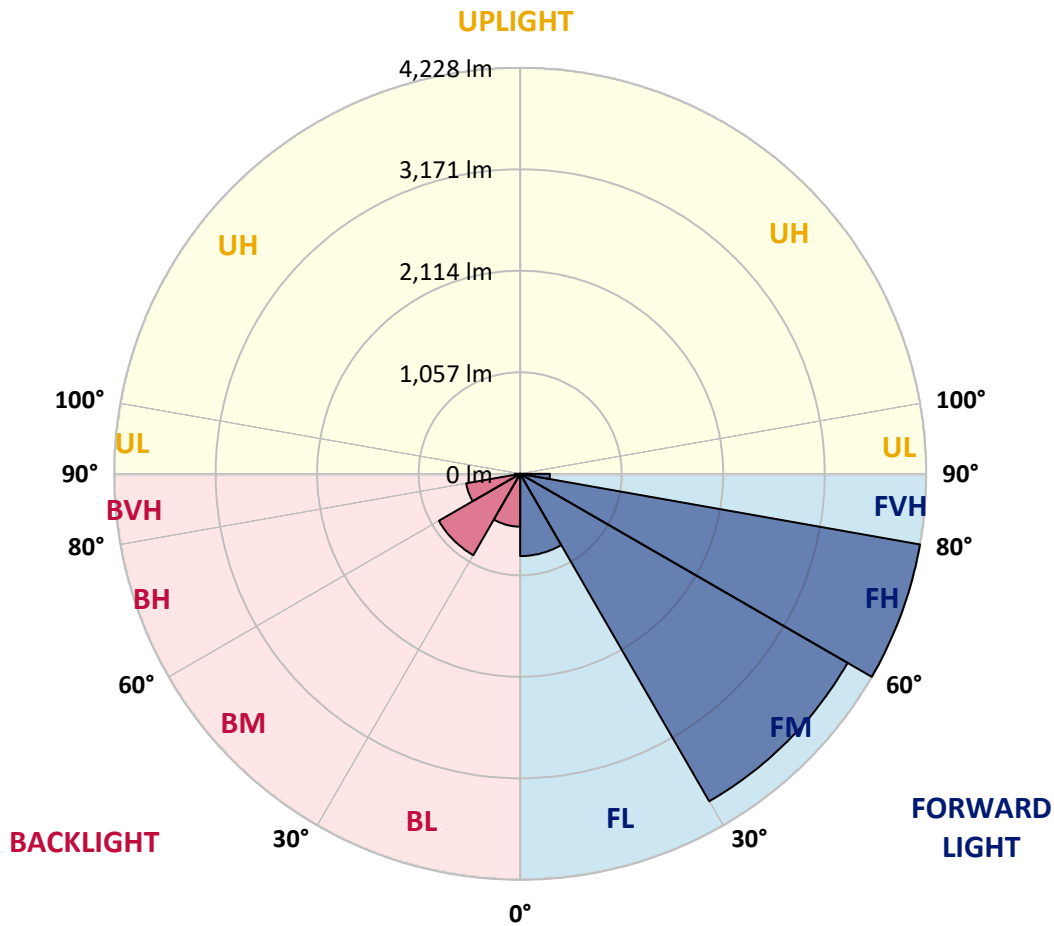
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 856.5  | 7.5       |                         |      |         |
| FM (30°-60°)   | 3938.2 | 34.3      |                         |      |         |
| FH (60°-80°)   | 4228.3 | 36.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 309.6  | 2.7       |                         |      | G3/500  |
| BL (0°-30°)    | 549.8  | 4.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 977.9  | 8.5       | B1/1000                 |      |         |
| BH (60°-80°)   | 570.8  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 56.0   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 |
| 2.5°  | 2126.3 | 2118.9 | 2126.3 | 2123.2 | 2122.0 | 2119.5 | 2120.2 | 2124.5 | 2122.0 | 2125.1 |
| 5°    | 2112.1 | 2107.8 | 2115.2 | 2113.4 | 2121.4 | 2122.6 | 2130.7 | 2135.6 | 2138.7 | 2139.3 |
| 7.5°  | 2088.6 | 2084.3 | 2094.8 | 2103.5 | 2120.8 | 2125.7 | 2142.4 | 2150.4 | 2154.8 | 2162.2 |
| 10°   | 2002.7 | 2000.9 | 2026.8 | 2059.6 | 2100.4 | 2125.7 | 2151.1 | 2164.6 | 2171.4 | 2191.2 |
| 12.5° | 1850.7 | 1853.2 | 1887.2 | 1950.2 | 2031.8 | 2113.4 | 2160.9 | 2180.7 | 2191.2 | 2215.9 |
| 15°   | 1705.5 | 1704.9 | 1742.0 | 1809.3 | 1923.6 | 2059.0 | 2165.9 | 2199.9 | 2217.8 | 2254.2 |
| 17.5° | 1621.5 | 1619.0 | 1645.0 | 1696.2 | 1802.5 | 1975.6 | 2153.5 | 2210.4 | 2248.7 | 2294.4 |
| 20°   | 1606.0 | 1601.1 | 1614.7 | 1640.0 | 1715.4 | 1884.1 | 2121.4 | 2210.4 | 2273.4 | 2332.7 |
| 22.5° | 1662.3 | 1654.2 | 1648.7 | 1645.6 | 1678.9 | 1808.7 | 2084.9 | 2203.0 | 2309.9 | 2387.7 |
| 25°   | 1775.3 | 1763.0 | 1734.6 | 1706.8 | 1696.9 | 1774.7 | 2052.8 | 2201.1 | 2364.2 | 2461.9 |
| 27.5° | 1958.3 | 1942.8 | 1885.3 | 1818.6 | 1758.7 | 1792.0 | 2038.6 | 2212.2 | 2424.2 | 2540.4 |
| 30°   | 2185.0 | 2168.4 | 2096.1 | 1993.5 | 1886.0 | 1856.3 | 2056.5 | 2245.0 | 2500.8 | 2644.8 |
| 32.5° | 2388.3 | 2369.8 | 2308.0 | 2203.6 | 2058.4 | 1967.5 | 2113.4 | 2307.4 | 2621.3 | 2790.0 |
| 35°   | 2568.8 | 2547.2 | 2491.5 | 2395.1 | 2269.7 | 2123.9 | 2215.9 | 2418.0 | 2792.5 | 3026.1 |
| 37.5° | 2745.5 | 2720.2 | 2659.6 | 2557.7 | 2469.9 | 2332.1 | 2357.4 | 2560.1 | 3019.9 | 3312.8 |
| 40°   | 2943.3 | 2906.8 | 2833.3 | 2732.5 | 2647.3 | 2576.2 | 2543.4 | 2734.4 | 3251.0 | 3632.9 |
| 42.5° | 3134.8 | 3100.2 | 3012.5 | 2926.6 | 2819.7 | 2799.3 | 2759.1 | 2938.3 | 3503.7 | 3984.5 |
| 45°   | 3341.2 | 3299.8 | 3193.5 | 3084.8 | 3017.4 | 2947.6 | 2968.0 | 3142.2 | 3751.5 | 4342.9 |
| 47.5° | 3534.6 | 3488.3 | 3362.8 | 3241.7 | 3204.6 | 3072.4 | 3159.5 | 3366.5 | 4009.2 | 4706.2 |
| 50°   | 3639.1 | 3593.3 | 3488.9 | 3379.5 | 3350.5 | 3226.3 | 3367.2 | 3613.1 | 4279.2 | 5068.3 |
| 52.5° | 3726.2 | 3676.7 | 3540.2 | 3479.6 | 3471.0 | 3393.7 | 3623.0 | 3894.9 | 4549.3 | 5388.4 |
| 55°   | 3818.9 | 3763.9 | 3589.6 | 3535.2 | 3574.8 | 3581.6 | 3926.4 | 4214.4 | 4834.8 | 5700.5 |
| 57.5° | 3925.8 | 3855.9 | 3637.2 | 3582.2 | 3676.1 | 3801.6 | 4274.9 | 4545.6 | 5115.3 | 5989.7 |
| 60°   | 4026.5 | 3956.1 | 3728.7 | 3657.0 | 3785.5 | 4056.8 | 4674.7 | 4946.6 | 5432.9 | 6247.4 |
| 62.5° | 4046.3 | 3988.2 | 3801.6 | 3801.0 | 3933.8 | 4354.6 | 5148.1 | 5351.4 | 5710.4 | 6502.0 |
| 65°   | 3703.9 | 3667.5 | 3556.9 | 3795.4 | 4146.4 | 4783.5 | 5675.2 | 5869.2 | 6063.2 | 6724.4 |
| 67.5° | 2819.0 | 2824.0 | 2816.0 | 3276.3 | 3974.6 | 5399.6 | 6438.3 | 6423.5 | 6498.9 | 6974.1 |
| 70°   | 1289.0 | 1318.1 | 1507.2 | 2261.7 | 3184.2 | 5470.6 | 7700.2 | 7508.0 | 7045.8 | 7297.3 |
| 72.5° | 696.4  | 718.7  | 795.9  | 1095.6 | 1914.4 | 4863.8 | 8643.1 | 8779.7 | 7773.1 | 7514.8 |
| 75°   | 511.0  | 523.4  | 577.2  | 696.4  | 803.9  | 3615.0 | 8305.1 | 9005.9 | 7863.9 | 7007.4 |
| 77.5° | 382.5  | 388.1  | 431.9  | 551.8  | 411.5  | 1905.7 | 6636.1 | 7458.5 | 6731.8 | 5757.4 |
| 80°   | 277.5  | 283.6  | 316.4  | 414.0  | 288.6  | 697.0  | 4556.7 | 5235.2 | 4610.5 | 3669.9 |
| 82.5° | 191.6  | 194.0  | 208.2  | 281.8  | 201.4  | 270.7  | 2585.5 | 3069.9 | 2573.7 | 1287.8 |
| 85°   | 115.6  | 118.6  | 124.8  | 164.4  | 114.3  | 128.5  | 1116.0 | 1154.3 | 769.3  | 307.7  |
| 87.5° | 47.6   | 50.7   | 55.6   | 69.2   | 45.1   | 35.8   | 184.1  | 231.1  | 144.0  | 90.2   |
| 90°   | 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2108.4 | 0°    | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 | 2108.4 |
| 2114.6 | 2.5°  | 2111.5 | 2107.2 | 2095.4 | 2079.4 | 2064.5 | 2046.0 | 2038.0 | 2031.2 | 2025.0 | 2013.3 |
| 2131.3 | 5°    | 2124.5 | 2112.7 | 2081.2 | 2040.4 | 1994.1 | 1943.4 | 1894.0 | 1860.0 | 1831.0 | 1809.3 |
| 2150.4 | 7.5°  | 2144.3 | 2122.0 | 2064.5 | 1981.1 | 1874.8 | 1766.1 | 1667.8 | 1598.0 | 1545.5 | 1526.3 |
| 2177.6 | 10°   | 2164.6 | 2138.1 | 2038.0 | 1890.9 | 1707.4 | 1539.9 | 1409.5 | 1337.8 | 1295.8 | 1282.2 |
| 2209.8 | 12.5° | 2188.7 | 2149.8 | 1996.6 | 1765.5 | 1520.1 | 1336.6 | 1222.9 | 1180.9 | 1159.3 | 1151.8 |
| 2249.3 | 15°   | 2224.0 | 2159.7 | 1934.2 | 1608.5 | 1341.5 | 1188.3 | 1114.8 | 1085.7 | 1074.6 | 1074.0 |
| 2290.1 | 17.5° | 2250.5 | 2161.6 | 1837.1 | 1440.4 | 1204.4 | 1098.7 | 1038.1 | 1027.0 | 1034.4 | 1045.6 |
| 2330.3 | 20°   | 2280.2 | 2144.9 | 1709.8 | 1287.2 | 1108.0 | 1020.2 | 994.9  | 1002.3 | 1020.2 | 1036.3 |
| 2383.4 | 22.5° | 2301.2 | 2114.6 | 1556.0 | 1167.9 | 1024.5 | 975.1  | 973.9  | 989.3  | 999.2  | 1007.2 |
| 2445.8 | 25°   | 2319.7 | 2063.3 | 1392.8 | 1067.8 | 956.0  | 947.9  | 961.5  | 956.6  | 949.8  | 956.6  |
| 2508.2 | 27.5° | 2333.3 | 1982.4 | 1247.0 | 980.1  | 907.8  | 929.4  | 921.3  | 910.2  | 909.6  | 913.3  |
| 2581.8 | 30°   | 2329.0 | 1874.2 | 1127.1 | 896.6  | 873.8  | 894.8  | 875.6  | 873.8  | 871.9  | 873.8  |
| 2692.4 | 32.5° | 2329.0 | 1751.2 | 1035.1 | 839.2  | 852.1  | 844.1  | 842.3  | 837.9  | 830.5  | 829.9  |
| 2842.5 | 35°   | 2342.0 | 1628.3 | 956.0  | 808.3  | 834.2  | 815.1  | 816.3  | 805.8  | 790.3  | 782.9  |
| 3041.5 | 37.5° | 2368.6 | 1529.4 | 877.5  | 793.4  | 802.7  | 802.1  | 797.1  | 779.2  | 752.0  | 728.6  |
| 3289.9 | 40°   | 2432.8 | 1500.4 | 823.7  | 786.6  | 787.9  | 795.3  | 782.3  | 747.7  | 685.9  | 647.6  |
| 3542.0 | 42.5° | 2533.6 | 1549.2 | 812.0  | 770.0  | 778.0  | 785.4  | 760.1  | 679.7  | 635.9  | 613.0  |
| 3806.5 | 45°   | 2661.5 | 1634.5 | 837.3  | 745.9  | 754.5  | 767.5  | 692.1  | 653.8  | 634.0  | 634.6  |
| 4068.5 | 47.5° | 2823.4 | 1724.1 | 884.3  | 724.8  | 720.5  | 727.9  | 647.0  | 623.5  | 596.3  | 603.1  |
| 4320.0 | 50°   | 3010.6 | 1814.9 | 928.8  | 696.4  | 682.8  | 658.7  | 617.9  | 595.7  | 561.1  | 545.0  |
| 4562.9 | 52.5° | 3213.3 | 1902.6 | 946.7  | 661.8  | 642.0  | 614.2  | 598.2  | 571.0  | 529.0  | 502.4  |
| 4792.1 | 55°   | 3405.5 | 1982.4 | 926.9  | 620.4  | 601.3  | 579.6  | 577.2  | 560.5  | 515.4  | 478.3  |
| 4996.0 | 57.5° | 3587.1 | 2049.1 | 877.5  | 578.4  | 559.9  | 546.9  | 563.6  | 555.5  | 498.7  | 451.1  |
| 5188.8 | 60°   | 3741.0 | 2094.8 | 805.8  | 535.8  | 522.8  | 516.0  | 541.3  | 538.8  | 475.2  | 422.1  |
| 5361.9 | 62.5° | 3863.4 | 2112.7 | 726.7  | 495.0  | 491.9  | 479.5  | 510.4  | 510.4  | 445.5  | 393.6  |
| 5513.9 | 65°   | 3959.1 | 2095.4 | 646.4  | 454.8  | 461.0  | 442.4  | 472.7  | 469.0  | 414.0  | 368.3  |
| 5688.8 | 67.5° | 4043.8 | 2038.6 | 557.4  | 415.3  | 429.5  | 406.0  | 433.2  | 424.5  | 379.4  | 343.0  |
| 5840.2 | 70°   | 4081.5 | 1906.3 | 456.0  | 375.7  | 393.0  | 370.1  | 393.6  | 377.6  | 340.5  | 315.8  |
| 5673.9 | 72.5° | 3778.7 | 1584.4 | 359.0  | 334.3  | 349.1  | 330.6  | 351.0  | 332.5  | 298.5  | 287.3  |
| 4899.7 | 75°   | 3126.2 | 1188.9 | 276.2  | 289.2  | 300.3  | 286.1  | 299.7  | 286.1  | 255.2  | 263.2  |
| 3619.3 | 77.5° | 2270.3 | 802.7  | 211.3  | 241.6  | 246.6  | 239.1  | 250.9  | 235.4  | 207.6  | 205.8  |
| 1803.8 | 80°   | 1129.0 | 470.3  | 165.6  | 190.9  | 189.1  | 184.1  | 197.7  | 190.3  | 166.8  | 176.7  |
| 486.9  | 82.5° | 326.9  | 201.4  | 120.5  | 134.1  | 130.4  | 131.6  | 141.5  | 145.2  | 217.5  | 215.7  |
| 151.4  | 85°   | 102.6  | 79.1   | 72.3   | 74.8   | 71.1   | 72.9   | 83.4   | 165.6  | 153.2  | 89.6   |
| 47.0   | 87.5° | 26.6   | 27.2   | 17.9   | 19.2   | 19.8   | 23.5   | 26.6   | 100.7  | 48.2   | 31.5   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O

| <u>180°</u> |
|-------------|
| 2108.4      |
| 2007.7      |
| 1791.4      |
| 1492.9      |
| 1261.2      |
| 1153.7      |
| 1076.5      |
| 1049.9      |
| 1041.8      |
| 1011.6      |
| 960.9       |
| 919.5       |
| 880.6       |
| 837.9       |
| 790.3       |
| 736.6       |
| 652.5       |
| 613.0       |
| 637.7       |
| 620.4       |
| 549.3       |
| 501.8       |
| 478.3       |
| 448.6       |
| 420.2       |
| 391.8       |
| 365.8       |
| 340.5       |
| 310.8       |
| 278.1       |
| 240.4       |
| 196.5       |
| 174.9       |
| 220.6       |
| 97.0        |
| 33.4        |
| 0.0         |

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