

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: P945468

Luminaire Tested: **GALN-SB1B-930-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945468
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-SB1B-930-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3830 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

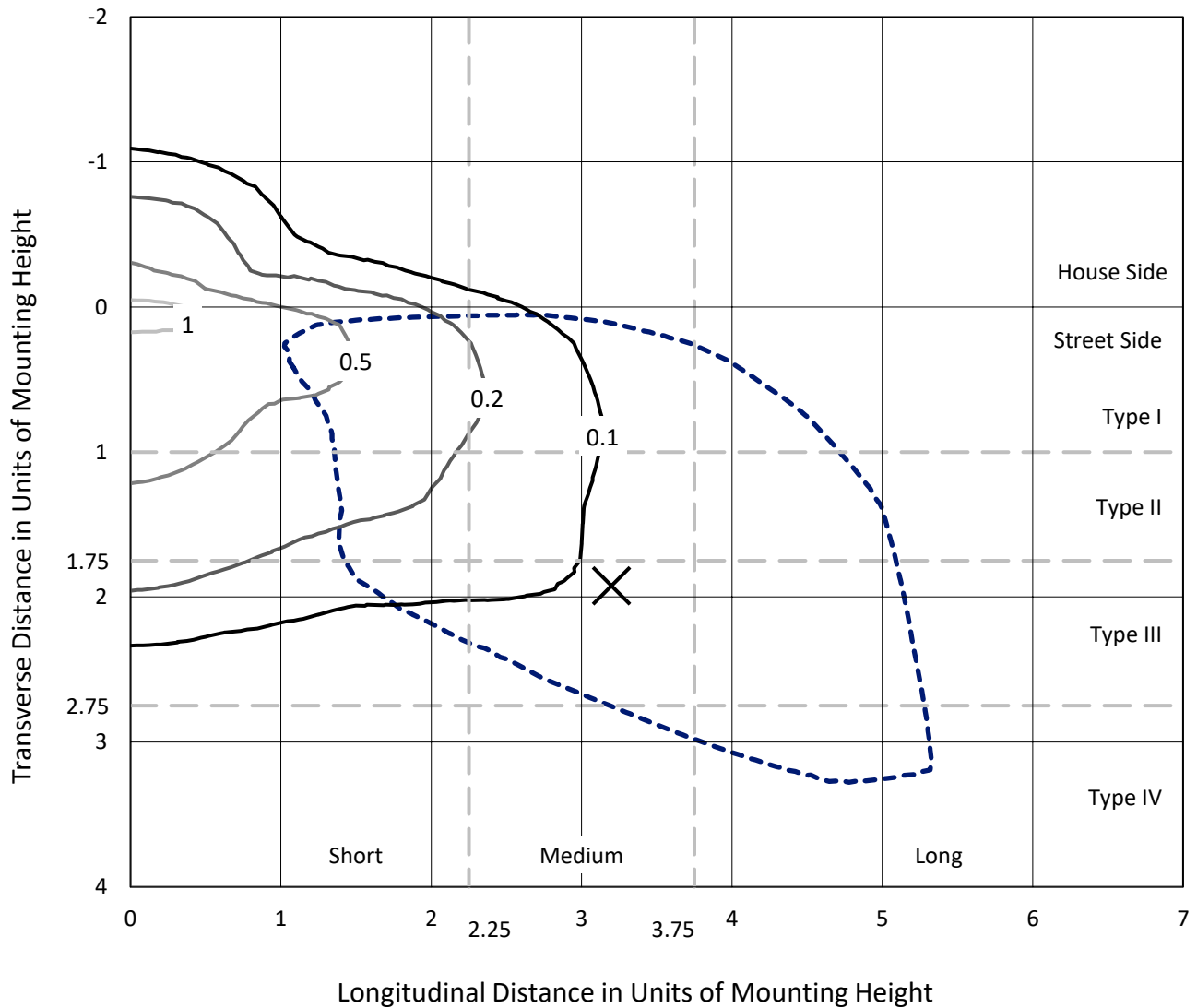
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945468
 CATALOG NUMBER: GALN-SB1B-930-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

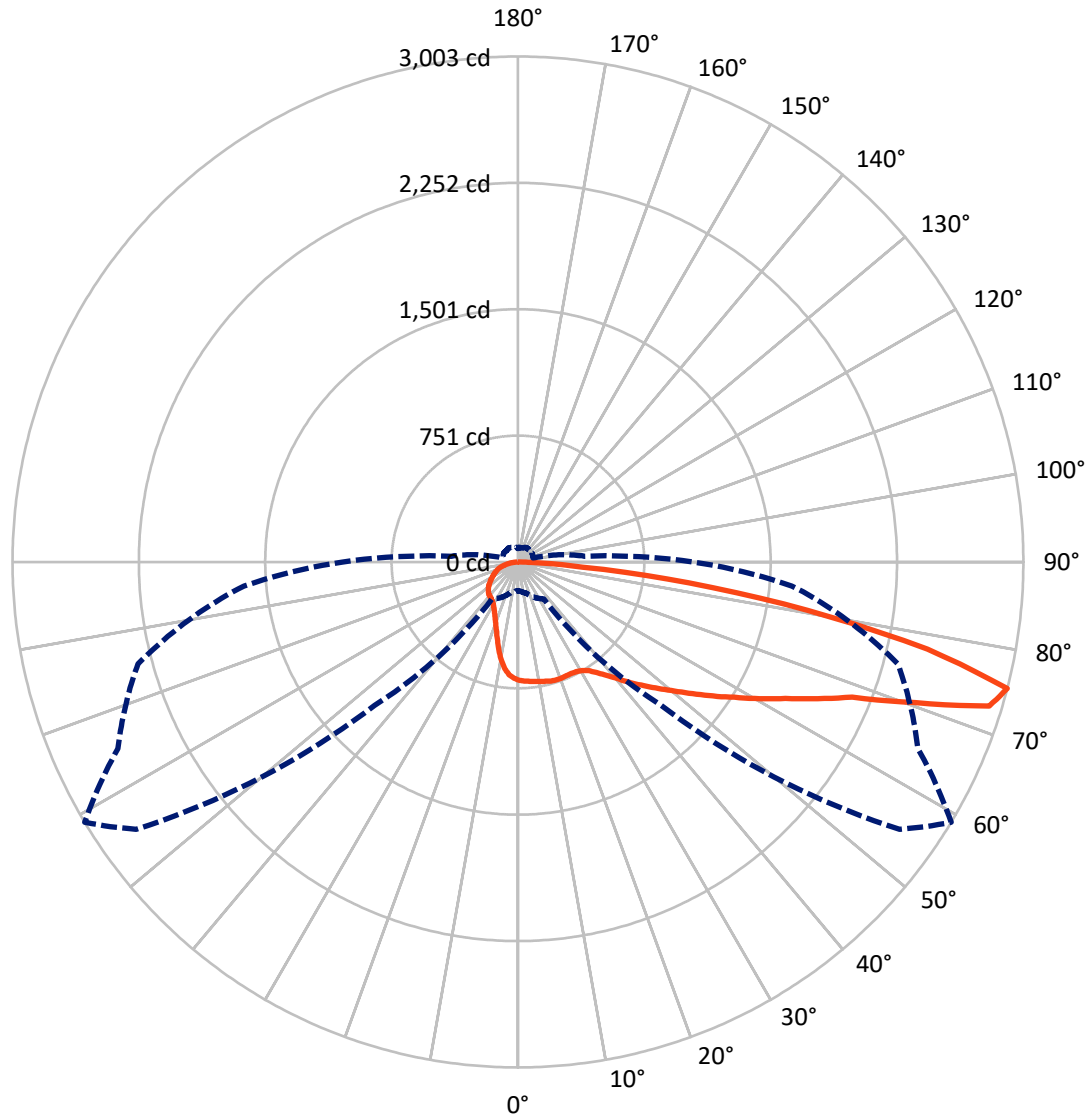
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P945468
CATALOG NUMBER: GALN-SB1B-930-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P945468
 CATALOG NUMBER: GALN-SB1B-930-U-SL3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 718.3 | 0.0 | 718.3 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 3111.7 | 0.0 | 3111.7 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 3830.0 | 0.0 | 3830.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.0 | 1.6 |
| 10°-20° | 161.1 | 4.2 |
| 20°-30° | 244.7 | 6.4 |
| 30°-40° | 363.8 | 9.5 |
| 40°-50° | 541.0 | 14.1 |
| 50°-60° | 734.4 | 19.2 |
| 60°-70° | 896.5 | 23.4 |
| 70°-80° | 703.6 | 18.4 |
| 80°-90° | 121.9 | 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° | 3830.0 | 100.0 |
| 0°-180° | 3830.0 | 100.0 |

Coefficient of Utilization



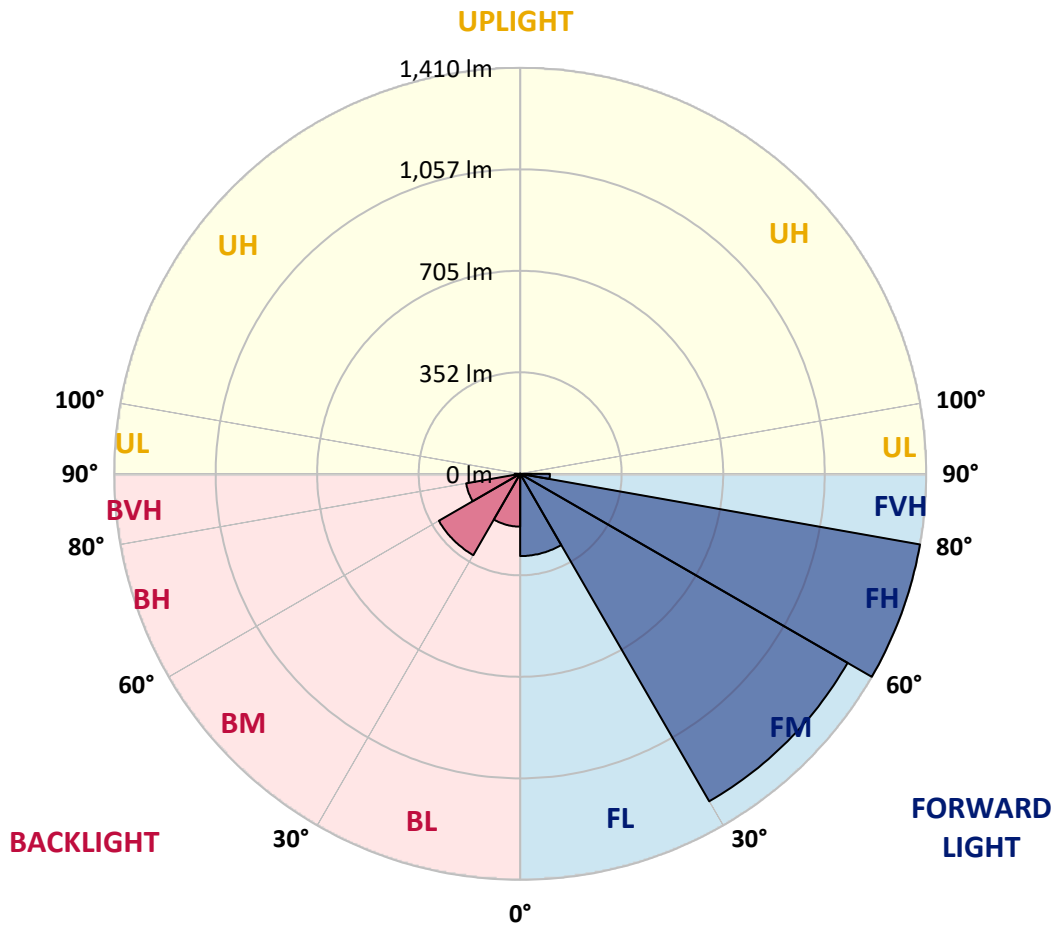
REPORT NUMBER: P945468
 CATALOG NUMBER: GALN-SB1B-930-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 285.6 | 7.5 | | | |
| FM | (30°-60°) | 1313.1 | 34.3 | | | |
| FH | (60°-80°) | 1409.8 | 36.8 | | | G1/1800 |
| FVH | (80°-90°) | 103.2 | 2.7 | | | G2/225 |
| BL | (0°-30°) | 183.3 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 326.1 | 8.5 | B1/1000 | | |
| BH | (60°-80°) | 190.3 | 5.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 18.7 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P945468

CATALOG NUMBER: GALN-SB1B-930-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 |
| 2.5° | 709.0 | 706.5 | 709.0 | 707.9 | 707.5 | 706.7 | 706.9 | 708.3 | 707.5 | 708.6 |
| 5° | 704.2 | 702.8 | 705.3 | 704.6 | 707.3 | 707.7 | 710.4 | 712.1 | 713.1 | 713.3 |
| 7.5° | 696.4 | 695.0 | 698.5 | 701.3 | 707.1 | 708.8 | 714.3 | 717.0 | 718.4 | 720.9 |
| 10° | 667.8 | 667.1 | 675.8 | 686.7 | 700.3 | 708.8 | 717.2 | 721.7 | 724.0 | 730.6 |
| 12.5° | 617.1 | 617.9 | 629.2 | 650.2 | 677.4 | 704.6 | 720.5 | 727.1 | 730.6 | 738.8 |
| 15° | 568.7 | 568.4 | 580.8 | 603.3 | 641.4 | 686.5 | 722.1 | 733.5 | 739.5 | 751.6 |
| 17.5° | 540.6 | 539.8 | 548.5 | 565.6 | 601.0 | 658.7 | 718.0 | 737.0 | 749.8 | 765.0 |
| 20° | 535.5 | 533.8 | 538.4 | 546.8 | 572.0 | 628.2 | 707.3 | 737.0 | 758.0 | 777.8 |
| 22.5° | 554.2 | 551.6 | 549.7 | 548.7 | 559.8 | 603.1 | 695.2 | 734.5 | 770.2 | 796.1 |
| 25° | 591.9 | 587.8 | 578.3 | 569.1 | 565.8 | 591.7 | 684.4 | 733.9 | 788.3 | 820.8 |
| 27.5° | 652.9 | 647.8 | 628.6 | 606.4 | 586.4 | 597.5 | 679.7 | 737.6 | 808.3 | 847.0 |
| 30° | 728.5 | 723.0 | 698.9 | 664.7 | 628.8 | 618.9 | 685.7 | 748.5 | 833.8 | 881.8 |
| 32.5° | 796.3 | 790.1 | 769.5 | 734.7 | 686.3 | 656.0 | 704.6 | 769.3 | 874.0 | 930.2 |
| 35° | 856.5 | 849.3 | 830.7 | 798.6 | 756.8 | 708.1 | 738.8 | 806.2 | 931.1 | 1008.9 |
| 37.5° | 915.4 | 907.0 | 886.8 | 852.8 | 823.5 | 777.6 | 786.0 | 853.6 | 1006.9 | 1104.5 |
| 40° | 981.3 | 969.2 | 944.7 | 911.1 | 882.6 | 859.0 | 848.0 | 911.7 | 1083.9 | 1211.3 |
| 42.5° | 1045.2 | 1033.7 | 1004.4 | 975.8 | 940.1 | 933.3 | 919.9 | 979.7 | 1168.2 | 1328.5 |
| 45° | 1114.0 | 1100.2 | 1064.8 | 1028.5 | 1006.1 | 982.8 | 989.6 | 1047.7 | 1250.8 | 1448.0 |
| 47.5° | 1178.5 | 1163.1 | 1121.2 | 1080.9 | 1068.5 | 1024.4 | 1053.5 | 1122.5 | 1336.7 | 1569.2 |
| 50° | 1213.3 | 1198.1 | 1163.3 | 1126.8 | 1117.1 | 1075.7 | 1122.7 | 1204.7 | 1426.8 | 1689.9 |
| 52.5° | 1242.4 | 1225.9 | 1180.4 | 1160.2 | 1157.3 | 1131.5 | 1208.0 | 1298.6 | 1516.8 | 1796.6 |
| 55° | 1273.3 | 1255.0 | 1196.9 | 1178.7 | 1191.9 | 1194.2 | 1309.1 | 1405.2 | 1612.0 | 1900.7 |
| 57.5° | 1308.9 | 1285.7 | 1212.7 | 1194.4 | 1225.7 | 1267.5 | 1425.3 | 1515.6 | 1705.5 | 1997.1 |
| 60° | 1342.5 | 1319.0 | 1243.2 | 1219.3 | 1262.2 | 1352.6 | 1558.6 | 1649.3 | 1811.5 | 2083.0 |
| 62.5° | 1349.1 | 1329.7 | 1267.5 | 1267.3 | 1311.6 | 1451.9 | 1716.5 | 1784.3 | 1904.0 | 2167.9 |
| 65° | 1235.0 | 1222.8 | 1185.9 | 1265.5 | 1382.5 | 1594.9 | 1892.2 | 1956.9 | 2021.6 | 2242.1 |
| 67.5° | 939.9 | 941.6 | 938.9 | 1092.4 | 1325.2 | 1800.3 | 2146.7 | 2141.7 | 2166.9 | 2325.3 |
| 70° | 429.8 | 439.5 | 502.5 | 754.1 | 1061.7 | 1824.0 | 2567.4 | 2503.3 | 2349.2 | 2433.1 |
| 72.5° | 232.2 | 239.6 | 265.4 | 365.3 | 638.3 | 1621.7 | 2881.8 | 2927.3 | 2591.7 | 2505.6 |
| 75° | 170.4 | 174.5 | 192.4 | 232.2 | 268.1 | 1205.3 | 2769.1 | 3002.7 | 2622.0 | 2336.4 |
| 77.5° | 127.5 | 129.4 | 144.0 | 184.0 | 137.2 | 635.4 | 2212.6 | 2486.8 | 2244.5 | 1919.6 |
| 80° | 92.5 | 94.6 | 105.5 | 138.0 | 96.2 | 232.4 | 1519.3 | 1745.5 | 1537.2 | 1223.6 |
| 82.5° | 63.9 | 64.7 | 69.4 | 94.0 | 67.2 | 90.2 | 862.0 | 1023.6 | 858.1 | 429.4 |
| 85° | 38.5 | 39.6 | 41.6 | 54.8 | 38.1 | 42.9 | 372.1 | 384.9 | 256.5 | 102.6 |
| 87.5° | 15.9 | 16.9 | 18.5 | 23.1 | 15.0 | 11.9 | 61.4 | 77.1 | 48.0 | 30.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P945468
 CATALOG NUMBER: GALN-SB1B-930-U-SL3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 703.0 | 0° | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 | 703.0 |
| 705.0 | 2.5° | 704.0 | 702.6 | 698.7 | 693.3 | 688.4 | 682.2 | 679.5 | 677.2 | 675.2 | 671.3 |
| 710.6 | 5° | 708.3 | 704.4 | 693.9 | 680.3 | 664.9 | 648.0 | 631.5 | 620.2 | 610.5 | 603.3 |
| 717.0 | 7.5° | 714.9 | 707.5 | 688.4 | 660.5 | 625.1 | 588.8 | 556.1 | 532.8 | 515.3 | 508.9 |
| 726.1 | 10° | 721.7 | 712.9 | 679.5 | 630.5 | 569.3 | 513.4 | 470.0 | 446.1 | 432.1 | 427.5 |
| 736.8 | 12.5° | 729.8 | 716.8 | 665.7 | 588.6 | 506.8 | 445.7 | 407.7 | 393.7 | 386.5 | 384.0 |
| 750.0 | 15° | 741.5 | 720.1 | 644.9 | 536.3 | 447.3 | 396.2 | 371.7 | 362.0 | 358.3 | 358.1 |
| 763.6 | 17.5° | 750.4 | 720.7 | 612.5 | 480.3 | 401.6 | 366.3 | 346.1 | 342.4 | 344.9 | 348.6 |
| 777.0 | 20° | 760.3 | 715.1 | 570.1 | 429.2 | 369.4 | 340.2 | 331.7 | 334.2 | 340.2 | 345.5 |
| 794.7 | 22.5° | 767.3 | 705.0 | 518.8 | 389.4 | 341.6 | 325.1 | 324.7 | 329.9 | 333.2 | 335.8 |
| 815.5 | 25° | 773.5 | 687.9 | 464.4 | 356.0 | 318.7 | 316.1 | 320.6 | 318.9 | 316.7 | 318.9 |
| 836.3 | 27.5° | 778.0 | 661.0 | 415.8 | 326.8 | 302.7 | 309.9 | 307.2 | 303.5 | 303.3 | 304.5 |
| 860.8 | 30° | 776.5 | 624.9 | 375.8 | 299.0 | 291.3 | 298.3 | 292.0 | 291.3 | 290.7 | 291.3 |
| 897.7 | 32.5° | 776.5 | 583.9 | 345.1 | 279.8 | 284.1 | 281.4 | 280.8 | 279.4 | 276.9 | 276.7 |
| 947.8 | 35° | 780.9 | 542.9 | 318.7 | 269.5 | 278.1 | 271.8 | 272.2 | 268.7 | 263.5 | 261.0 |
| 1014.1 | 37.5° | 789.7 | 509.9 | 292.6 | 264.5 | 267.6 | 267.4 | 265.8 | 259.8 | 250.7 | 242.9 |
| 1096.9 | 40° | 811.2 | 500.3 | 274.6 | 262.3 | 262.7 | 265.2 | 260.8 | 249.3 | 228.7 | 215.9 |
| 1181.0 | 42.5° | 844.7 | 516.5 | 270.7 | 256.7 | 259.4 | 261.9 | 253.4 | 226.6 | 212.0 | 204.4 |
| 1269.2 | 45° | 887.4 | 545.0 | 279.2 | 248.7 | 251.6 | 255.9 | 230.8 | 218.0 | 211.4 | 211.6 |
| 1356.5 | 47.5° | 941.4 | 574.8 | 294.8 | 241.7 | 240.2 | 242.7 | 215.7 | 207.9 | 198.8 | 201.1 |
| 1440.4 | 50° | 1003.8 | 605.1 | 309.7 | 232.2 | 227.7 | 219.6 | 206.0 | 198.6 | 187.1 | 181.7 |
| 1521.4 | 52.5° | 1071.4 | 634.4 | 315.6 | 220.7 | 214.1 | 204.8 | 199.4 | 190.4 | 176.4 | 167.5 |
| 1597.8 | 55° | 1135.5 | 661.0 | 309.1 | 206.9 | 200.5 | 193.3 | 192.4 | 186.9 | 171.8 | 159.5 |
| 1665.8 | 57.5° | 1196.0 | 683.2 | 292.6 | 192.8 | 186.7 | 182.3 | 187.9 | 185.2 | 166.3 | 150.4 |
| 1730.1 | 60° | 1247.3 | 698.5 | 268.7 | 178.6 | 174.3 | 172.0 | 180.5 | 179.7 | 158.4 | 140.7 |
| 1787.8 | 62.5° | 1288.1 | 704.4 | 242.3 | 165.0 | 164.0 | 159.9 | 170.2 | 170.2 | 148.6 | 131.2 |
| 1838.4 | 65° | 1320.1 | 698.7 | 215.5 | 151.6 | 153.7 | 147.5 | 157.6 | 156.4 | 138.0 | 122.8 |
| 1896.7 | 67.5° | 1348.3 | 679.7 | 185.8 | 138.5 | 143.2 | 135.4 | 144.4 | 141.5 | 126.5 | 114.3 |
| 1947.2 | 70° | 1360.9 | 635.6 | 152.1 | 125.3 | 131.0 | 123.4 | 131.2 | 125.9 | 113.5 | 105.3 |
| 1891.8 | 72.5° | 1259.9 | 528.3 | 119.7 | 111.5 | 116.4 | 110.2 | 117.0 | 110.8 | 99.5 | 95.8 |
| 1633.6 | 75° | 1042.3 | 396.4 | 92.1 | 96.4 | 100.1 | 95.4 | 99.9 | 95.4 | 85.1 | 87.8 |
| 1206.7 | 77.5° | 757.0 | 267.6 | 70.5 | 80.6 | 82.2 | 79.7 | 83.6 | 78.5 | 69.2 | 68.6 |
| 601.4 | 80° | 376.4 | 156.8 | 55.2 | 63.7 | 63.0 | 61.4 | 65.9 | 63.5 | 55.6 | 58.9 |
| 162.4 | 82.5° | 109.0 | 67.2 | 40.2 | 44.7 | 43.5 | 43.9 | 47.2 | 48.4 | 72.5 | 71.9 |
| 50.5 | 85° | 34.2 | 26.4 | 24.1 | 24.9 | 23.7 | 24.3 | 27.8 | 55.2 | 51.1 | 29.9 |
| 15.7 | 87.5° | 8.9 | 9.1 | 6.0 | 6.4 | 6.6 | 7.8 | 8.9 | 33.6 | 16.1 | 10.5 |
| 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

| |
|-------|
| 180° |
| 703.0 |
| 669.4 |
| 597.3 |
| 497.8 |
| 420.5 |
| 384.7 |
| 358.9 |
| 350.1 |
| 347.4 |
| 337.3 |
| 320.4 |
| 306.6 |
| 293.6 |
| 279.4 |
| 263.5 |
| 245.6 |
| 217.6 |
| 204.4 |
| 212.6 |
| 206.9 |
| 183.2 |
| 167.3 |
| 159.5 |
| 149.6 |
| 140.1 |
| 130.6 |
| 122.0 |
| 113.5 |
| 103.6 |
| 92.7 |
| 80.1 |
| 65.5 |
| 58.3 |
| 73.6 |
| 32.3 |
| 11.1 |
| 0.0 |

F REPORT)