

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: P846327

Luminaire Tested: **GLAN-SB1D-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

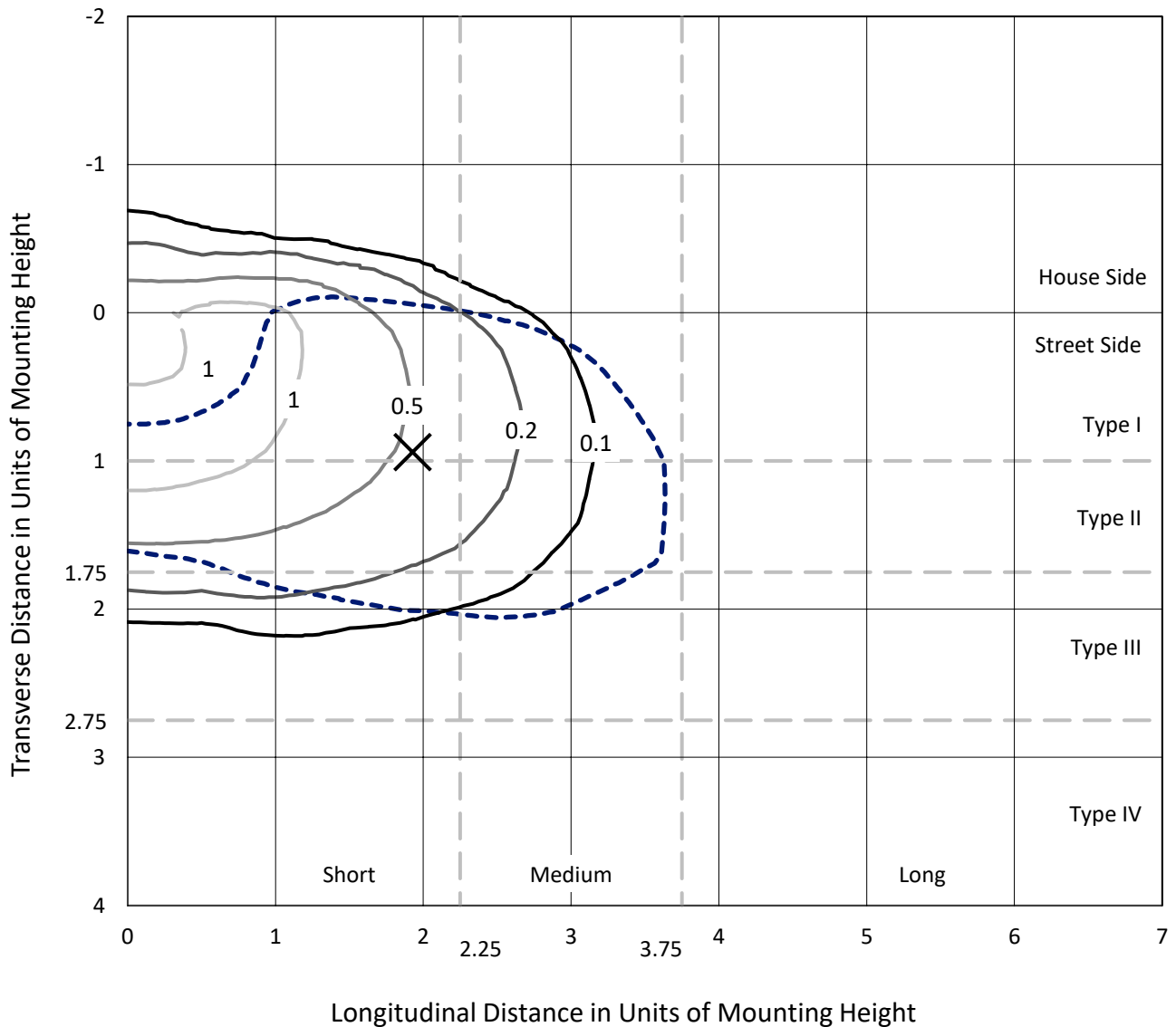
Lumens per Lamp: N/A  
Luminaire Lumens: 5141 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P846327  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

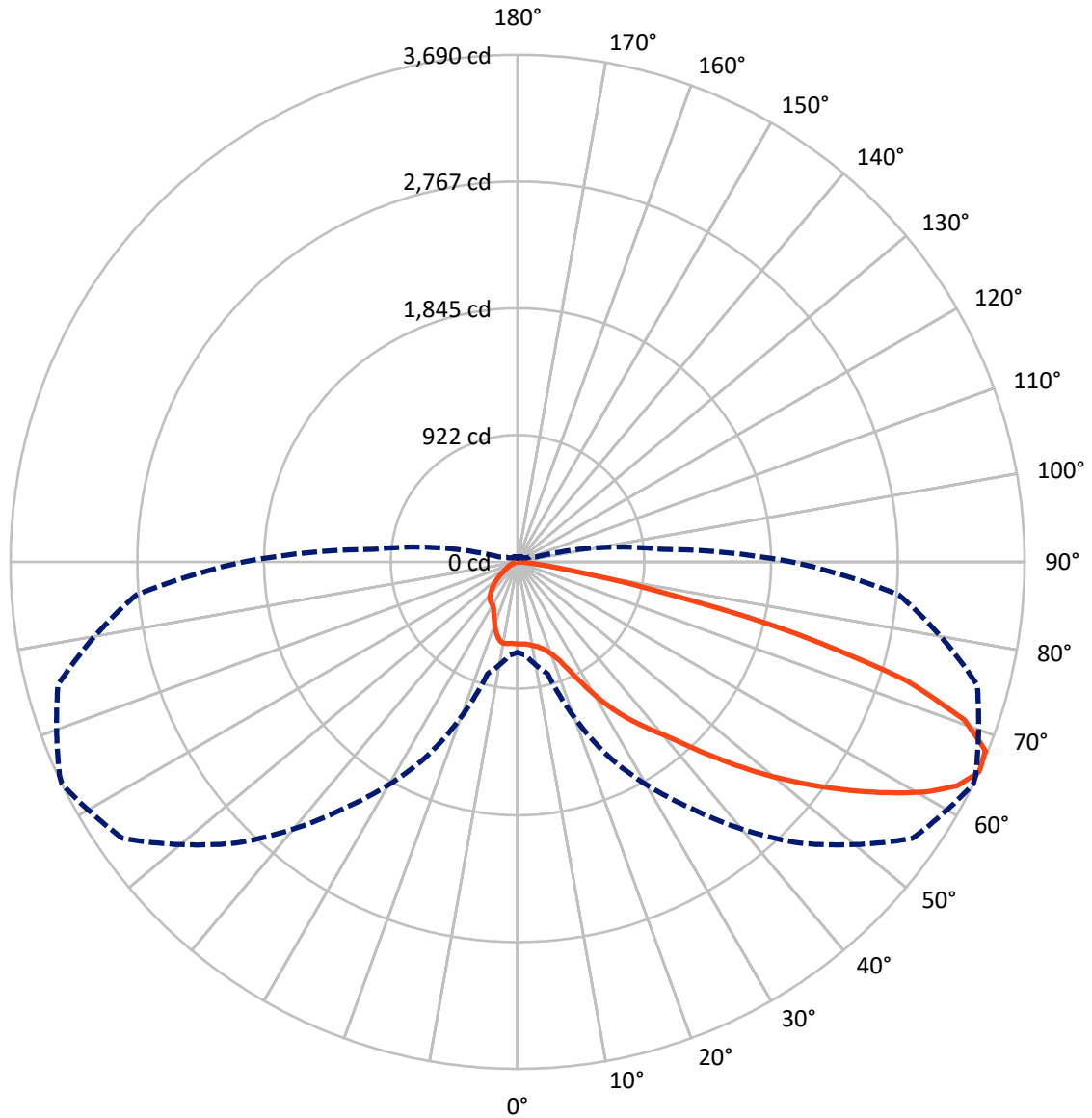
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P846327  
CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P846327  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 687.5    | 0.0    | 687.5  |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 4453.5   | 0.0    | 4453.5 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 5141.0   | 0.0    | 5141.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.2   | 1.1       |
| 10°-20°   | 149.6  | 2.9       |
| 20°-30°   | 283.5  | 5.5       |
| 30°-40°   | 573.7  | 11.2      |
| 40°-50°   | 977.4  | 19.0      |
| 50°-60°   | 1329.1 | 25.9      |
| 60°-70°   | 1248.1 | 24.3      |
| 70°-80°   | 500.1  | 9.7       |
| 80°-90°   | 24.2   | 0.5       |
| 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°    | 5141.0 | 100.0     |
| 0°-180°   | 5141.0 | 100.0     |

**Coefficient of Utilization**



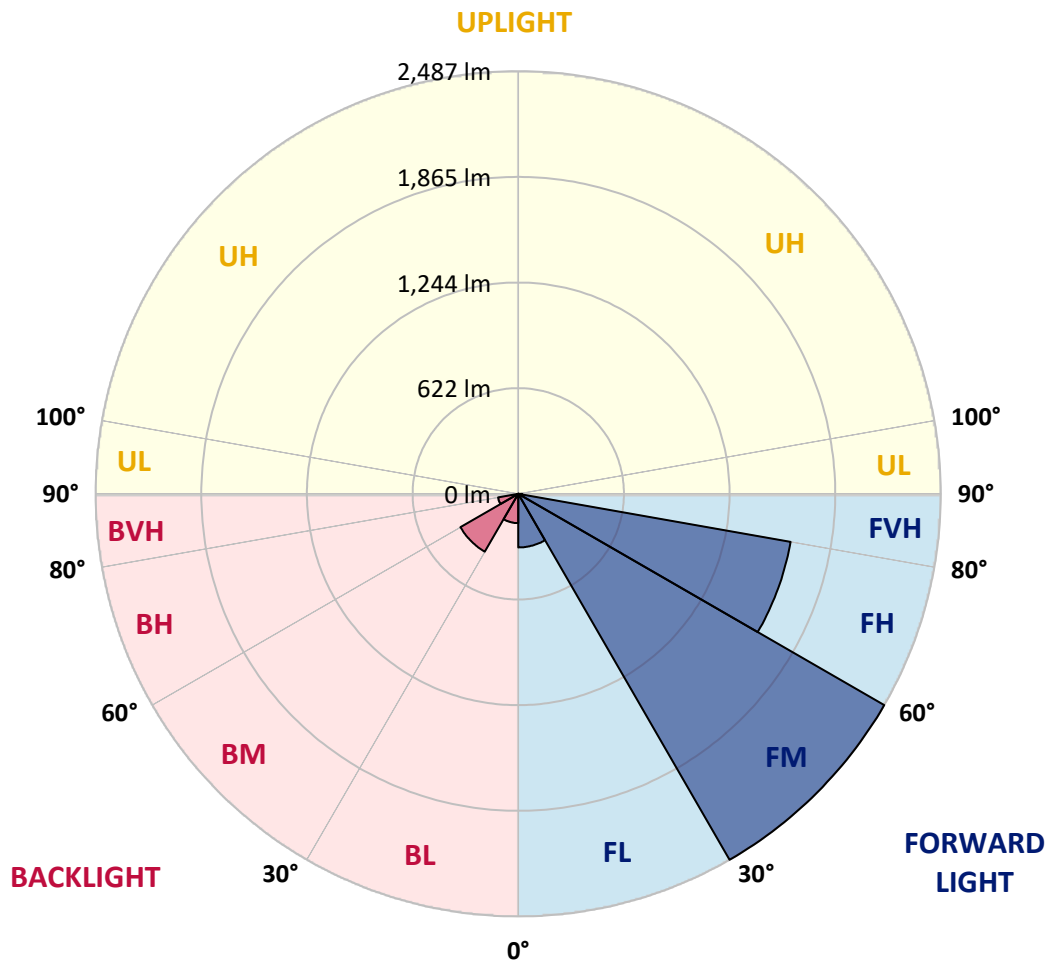
REPORT NUMBER: P846327  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 315.7  | 6.1       |                         |      |         |
| FM (30°-60°)   | 2487.2 | 48.4      |                         |      |         |
| FH (60°-80°)   | 1627.5 | 31.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 23.0   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 172.6  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 393.0  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 120.7  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 1.2    | 0.0       |                         |      | 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 III Short



REPORT NUMBER: P846327  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  | 598.0  |
| 2.5°  | 595.9  | 600.0  | 599.0  | 598.0  | 597.6  | 598.3  | 598.6  | 598.3  | 598.3  | 598.3  |
| 5°    | 584.5  | 588.0  | 588.0  | 590.4  | 593.8  | 598.0  | 601.1  | 601.7  | 602.4  | 603.5  |
| 7.5°  | 562.8  | 565.6  | 567.6  | 575.6  | 584.2  | 595.2  | 604.5  | 609.3  | 610.0  | 613.8  |
| 10°   | 548.0  | 551.4  | 554.9  | 563.1  | 575.6  | 592.1  | 607.9  | 619.7  | 621.4  | 630.3  |
| 12.5° | 547.3  | 550.7  | 555.2  | 564.2  | 578.7  | 596.2  | 615.5  | 632.4  | 635.5  | 648.6  |
| 15°   | 554.5  | 558.7  | 562.8  | 573.8  | 589.3  | 610.7  | 631.4  | 652.4  | 655.5  | 674.1  |
| 17.5° | 569.3  | 574.9  | 578.0  | 589.0  | 605.5  | 629.3  | 656.5  | 680.7  | 683.4  | 705.1  |
| 20°   | 598.6  | 605.2  | 606.2  | 615.2  | 631.4  | 656.9  | 689.3  | 719.3  | 722.7  | 747.5  |
| 22.5° | 659.3  | 668.6  | 660.3  | 664.8  | 679.3  | 704.8  | 739.9  | 777.9  | 782.7  | 810.9  |
| 25°   | 766.1  | 779.2  | 757.9  | 750.3  | 756.5  | 783.0  | 827.1  | 875.0  | 880.6  | 903.3  |
| 27.5° | 976.0  | 959.1  | 926.7  | 895.0  | 876.4  | 891.6  | 941.2  | 1000.5 | 1007.4 | 1029.4 |
| 30°   | 1206.6 | 1191.8 | 1148.0 | 1077.7 | 1033.6 | 1031.2 | 1077.0 | 1143.2 | 1151.1 | 1172.1 |
| 32.5° | 1437.5 | 1423.4 | 1375.8 | 1289.3 | 1212.8 | 1174.9 | 1206.6 | 1280.0 | 1284.1 | 1297.6 |
| 35°   | 1664.6 | 1650.1 | 1602.6 | 1514.0 | 1419.9 | 1333.8 | 1327.6 | 1410.3 | 1411.6 | 1425.8 |
| 37.5° | 1893.1 | 1881.0 | 1830.4 | 1743.5 | 1650.8 | 1531.9 | 1474.4 | 1533.7 | 1535.4 | 1549.2 |
| 40°   | 2056.1 | 2061.3 | 2026.5 | 1959.3 | 1879.7 | 1749.7 | 1639.1 | 1665.0 | 1654.6 | 1677.7 |
| 42.5° | 2196.1 | 2206.4 | 2176.1 | 2142.3 | 2096.1 | 1981.7 | 1843.1 | 1838.7 | 1822.1 | 1834.5 |
| 45°   | 2317.0 | 2325.6 | 2298.4 | 2290.5 | 2289.4 | 2209.1 | 2066.1 | 2039.2 | 2016.1 | 2013.7 |
| 47.5° | 2361.5 | 2378.0 | 2389.7 | 2416.3 | 2468.0 | 2434.2 | 2296.7 | 2255.0 | 2229.1 | 2210.2 |
| 50°   | 2378.4 | 2395.9 | 2435.9 | 2513.1 | 2635.5 | 2649.9 | 2526.2 | 2479.3 | 2447.6 | 2413.2 |
| 52.5° | 2355.6 | 2387.0 | 2440.7 | 2570.7 | 2748.2 | 2823.0 | 2746.4 | 2705.4 | 2669.2 | 2613.1 |
| 55°   | 2221.6 | 2252.9 | 2362.9 | 2570.0 | 2804.3 | 2944.3 | 2954.6 | 2936.3 | 2895.7 | 2807.1 |
| 57.5° | 1938.9 | 1985.5 | 2159.5 | 2482.4 | 2803.3 | 3048.7 | 3158.6 | 3171.7 | 3126.2 | 2999.4 |
| 60°   | 1547.4 | 1610.5 | 1822.8 | 2288.4 | 2716.8 | 3105.2 | 3337.5 | 3403.0 | 3354.7 | 3189.0 |
| 62.5° | 1079.8 | 1152.8 | 1353.7 | 1984.4 | 2519.0 | 3064.5 | 3468.1 | 3589.1 | 3552.6 | 3358.5 |
| 65°   | 658.6  | 682.0  | 844.0  | 1561.6 | 2182.6 | 2894.3 | 3508.4 | 3689.7 | 3677.7 | 3462.3 |
| 67.5° | 438.7  | 458.4  | 504.9  | 1070.8 | 1694.3 | 2554.1 | 3411.9 | 3672.1 | 3675.6 | 3445.4 |
| 70°   | 264.3  | 281.2  | 311.6  | 622.8  | 1098.0 | 2021.7 | 3113.1 | 3448.1 | 3468.1 | 3219.6 |
| 72.5° | 108.9  | 120.3  | 147.9  | 282.3  | 568.7  | 1283.1 | 2479.0 | 2960.5 | 3007.0 | 2707.2 |
| 75°   | 61.7   | 67.5   | 86.8   | 141.6  | 246.8  | 598.0  | 1501.6 | 2101.6 | 2170.2 | 1865.9 |
| 77.5° | 41.0   | 43.8   | 56.2   | 91.7   | 138.9  | 204.0  | 641.7  | 1094.9 | 1225.9 | 1019.1 |
| 80°   | 27.6   | 30.0   | 38.6   | 61.3   | 90.3   | 87.5   | 204.4  | 405.6  | 499.0  | 350.2  |
| 82.5° | 18.6   | 19.0   | 27.6   | 40.3   | 57.2   | 42.4   | 60.3   | 126.1  | 158.5  | 101.3  |
| 85°   | 10.7   | 10.3   | 20.3   | 23.4   | 25.5   | 17.6   | 18.3   | 37.9   | 49.6   | 42.7   |
| 87.5° | 1.4    | 2.1    | 7.9    | 6.2    | 3.4    | 3.8    | 3.8    | 6.5    | 9.6    | 10.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P846327  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 598.0  | 0°    | 598.0  | 598.0  | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 |
| 598.6  | 2.5°  | 598.6  | 598.3  | 597.3 | 596.2 | 593.8 | 592.4 | 593.1 | 592.4 | 592.1 | 592.4 |
| 603.1  | 5°    | 603.1  | 602.1  | 599.3 | 595.9 | 591.1 | 585.2 | 581.4 | 575.9 | 570.7 | 567.6 |
| 615.2  | 7.5°  | 615.2  | 614.1  | 610.4 | 600.7 | 585.2 | 560.7 | 538.3 | 518.7 | 503.9 | 495.2 |
| 634.5  | 10°   | 634.5  | 632.8  | 626.9 | 605.5 | 564.9 | 511.4 | 467.0 | 430.1 | 406.0 | 394.6 |
| 657.2  | 12.5° | 657.2  | 655.2  | 644.8 | 601.1 | 526.3 | 442.9 | 381.5 | 340.5 | 318.1 | 308.1 |
| 683.4  | 15°   | 684.1  | 681.4  | 661.0 | 579.7 | 470.1 | 367.0 | 310.9 | 280.2 | 265.7 | 256.8 |
| 716.9  | 17.5° | 717.5  | 712.7  | 673.1 | 547.6 | 409.1 | 309.1 | 267.4 | 244.4 | 231.6 | 223.0 |
| 760.6  | 20°   | 761.0  | 753.0  | 682.7 | 509.4 | 352.9 | 272.6 | 238.1 | 218.8 | 209.2 | 201.6 |
| 822.7  | 22.5° | 821.6  | 810.3  | 694.5 | 468.0 | 313.3 | 247.5 | 216.4 | 202.3 | 194.4 | 185.8 |
| 909.2  | 25°   | 896.8  | 883.3  | 708.9 | 429.8 | 286.1 | 225.7 | 200.6 | 188.9 | 179.6 | 169.6 |
| 1022.5 | 27.5° | 1001.9 | 977.7  | 726.2 | 398.4 | 262.6 | 207.1 | 186.1 | 173.0 | 162.3 | 154.1 |
| 1151.1 | 30°   | 1119.0 | 1079.4 | 741.3 | 379.4 | 241.2 | 189.9 | 167.2 | 154.1 | 144.1 | 138.2 |
| 1266.6 | 32.5° | 1230.0 | 1176.3 | 751.3 | 371.2 | 221.9 | 170.3 | 146.5 | 132.3 | 124.8 | 123.0 |
| 1379.6 | 35°   | 1334.8 | 1263.8 | 750.3 | 363.3 | 204.7 | 150.6 | 126.1 | 111.7 | 105.8 | 106.8 |
| 1501.3 | 37.5° | 1455.4 | 1357.2 | 743.0 | 350.8 | 190.6 | 132.7 | 108.6 | 95.8  | 90.6  | 91.0  |
| 1649.1 | 40°   | 1595.7 | 1465.1 | 738.6 | 327.4 | 175.1 | 116.1 | 94.1  | 83.7  | 80.0  | 78.6  |
| 1804.9 | 42.5° | 1745.3 | 1569.5 | 739.3 | 300.9 | 155.8 | 101.3 | 84.1  | 75.5  | 72.0  | 71.0  |
| 1978.2 | 45°   | 1895.5 | 1669.1 | 740.3 | 273.3 | 135.4 | 90.0  | 76.9  | 69.6  | 67.5  | 66.2  |
| 2154.0 | 47.5° | 2036.8 | 1753.9 | 721.0 | 243.7 | 115.5 | 81.3  | 71.0  | 66.2  | 64.4  | 62.7  |
| 2330.5 | 50°   | 2168.5 | 1810.4 | 674.5 | 209.2 | 99.6  | 74.4  | 66.5  | 63.1  | 61.3  | 59.6  |
| 2490.4 | 52.5° | 2270.8 | 1819.4 | 597.6 | 173.7 | 88.6  | 69.3  | 63.8  | 60.7  | 58.6  | 56.9  |
| 2619.6 | 55°   | 2316.3 | 1763.2 | 488.4 | 140.6 | 80.0  | 64.8  | 61.0  | 57.9  | 55.5  | 53.8  |
| 2721.3 | 57.5° | 2304.6 | 1645.0 | 380.8 | 113.0 | 71.7  | 60.3  | 57.6  | 55.5  | 52.7  | 50.0  |
| 2803.7 | 60°   | 2247.1 | 1486.8 | 287.1 | 94.1  | 64.1  | 55.5  | 53.8  | 52.0  | 48.2  | 44.1  |
| 2835.4 | 62.5° | 2147.5 | 1287.9 | 204.7 | 77.9  | 55.8  | 50.0  | 49.3  | 47.9  | 42.4  | 34.8  |
| 2788.5 | 65°   | 1995.1 | 1046.3 | 137.9 | 64.8  | 47.9  | 43.8  | 44.1  | 41.7  | 34.5  | 25.8  |
| 2616.9 | 67.5° | 1772.5 | 765.1  | 88.2  | 53.1  | 40.0  | 36.5  | 36.9  | 35.5  | 29.3  | 22.1  |
| 2291.5 | 70°   | 1488.8 | 506.6  | 57.6  | 40.3  | 32.1  | 28.3  | 30.3  | 30.7  | 24.8  | 17.9  |
| 1758.7 | 72.5° | 1091.5 | 299.1  | 40.3  | 30.0  | 23.4  | 19.6  | 24.8  | 25.5  | 20.0  | 13.4  |
| 1058.0 | 75°   | 622.1  | 142.0  | 30.3  | 21.7  | 14.5  | 13.8  | 19.3  | 19.3  | 13.8  | 9.0   |
| 458.0  | 77.5° | 261.2  | 59.3   | 21.4  | 14.1  | 8.3   | 7.9   | 13.1  | 12.1  | 6.9   | 4.1   |
| 111.7  | 80°   | 75.5   | 26.5   | 11.4  | 6.9   | 3.4   | 3.1   | 5.2   | 3.8   | 1.7   | 0.7   |
| 42.4   | 82.5° | 29.6   | 11.7   | 4.5   | 2.8   | 1.4   | 1.4   | 0.7   | 0.0   | 0.0   | 0.0   |
| 24.1   | 85°   | 17.6   | 4.8    | 2.1   | 1.0   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5.2    | 87.5° | 4.5    | 1.0    | 0.7   | 0.0   | 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   | 0.0   | 0.0   | 0.0   |

(END O



|       |
|-------|
| 180°  |
| <hr/> |
| 598.0 |
| 593.8 |
| 568.3 |
| 495.6 |
| 393.6 |
| 307.1 |
| 257.1 |
| 222.3 |
| 200.2 |
| 184.4 |
| 168.5 |
| 152.3 |
| 137.2 |
| 124.1 |
| 106.8 |
| 92.4  |
| 78.2  |
| 70.7  |
| 66.2  |
| 62.7  |
| 59.6  |
| 56.5  |
| 53.4  |
| 49.6  |
| 43.4  |
| 34.1  |
| 25.2  |
| 21.0  |
| 17.2  |
| 12.8  |
| 8.3   |
| 4.1   |
| 0.7   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |

F REPORT)