

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: P953392

Luminaire Tested: **GALN-SB6D-950-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953392  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-950-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

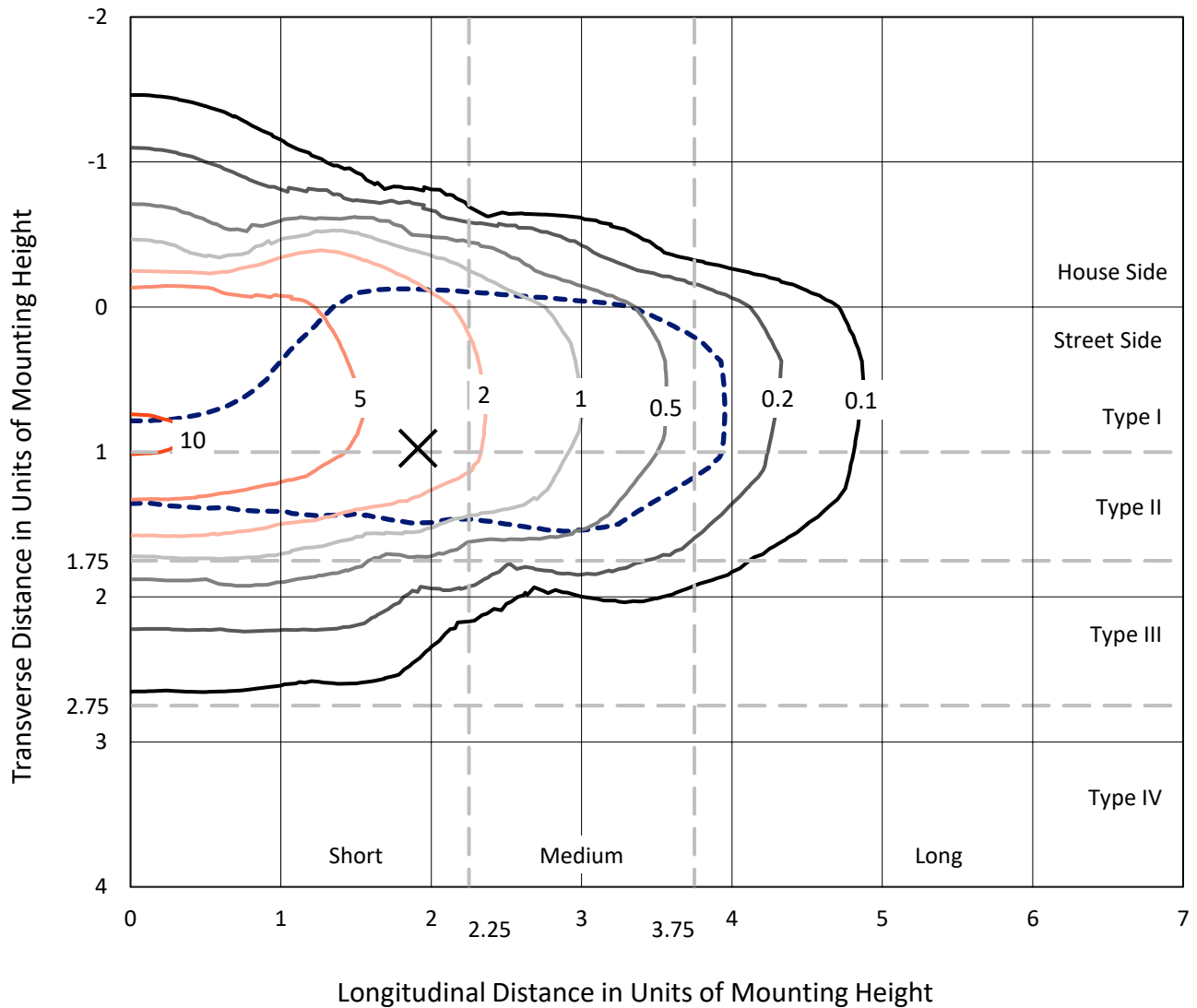
Lumens per Lamp: N/A  
Luminaire Lumens: 32807 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P953392  
 CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

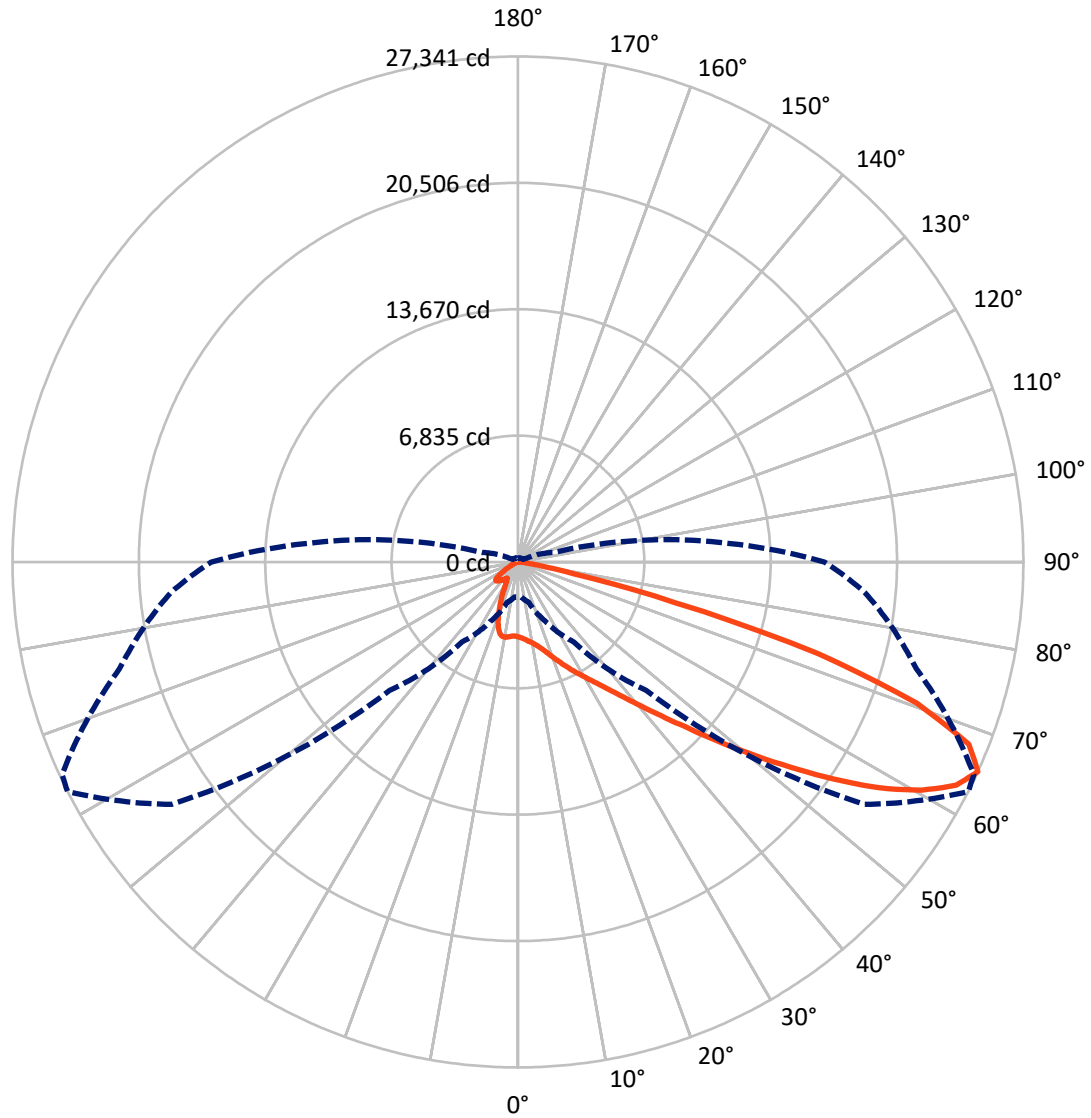
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P953392  
CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P953392  
 CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4822.4   | 0.0    | 4822.4  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 27984.6  | 0.0    | 27984.6 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 32807.0  | 0.0    | 32807.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 381.5   | 1.2       |
| 10°-20°   | 1058.5  | 3.2       |
| 20°-30°   | 1843.1  | 5.6       |
| 30°-40°   | 3322.0  | 10.1      |
| 40°-50°   | 6588.6  | 20.1      |
| 50°-60°   | 8974.8  | 27.4      |
| 60°-70°   | 7163.6  | 21.8      |
| 70°-80°   | 3241.7  | 9.9       |
| 80°-90°   | 233.0   | 0.7       |
| 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°    | 32807.0 | 100.0     |
| 0°-180°   | 32807.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953392

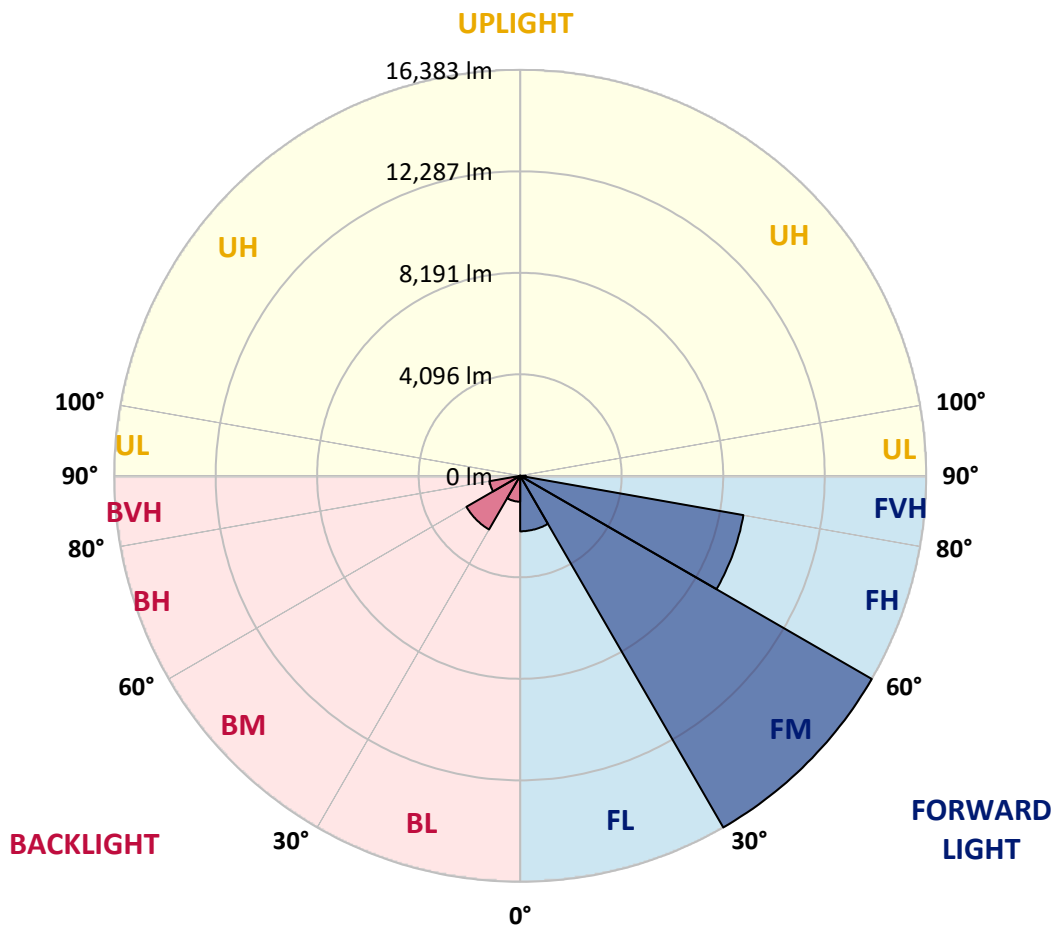
CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2239.5  | 6.8       |                         |      |          |
| FM (30°-60°)   | 16383.0 | 49.9      |                         |      |          |
| FH (60°-80°)   | 9146.4  | 27.9      |                         |      | G4/12000 |
| FVH (80°-90°)  | 215.7   | 0.7       |                         |      | G2/225   |
| BL (0°-30°)    | 1043.6  | 3.2       | B3/2500                 |      |          |
| BM (30°-60°)   | 2502.5  | 7.6       | B3/5000                 |      |          |
| BH (60°-80°)   | 1258.9  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 17.3    | 0.1       |                         |      | G1/100   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Short



REPORT NUMBER: P953392

CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  | 4049.0  |
| 2.5°  | 4143.8  | 4132.5  | 4148.3  | 4141.5  | 4137.0  | 4128.0  | 4123.5  | 4119.0  | 4109.9  | 4103.2  |
| 5°    | 4155.1  | 4148.3  | 4164.1  | 4177.7  | 4191.2  | 4204.7  | 4211.5  | 4220.5  | 4211.5  | 4193.4  |
| 7.5°  | 4060.3  | 4055.8  | 4089.6  | 4130.3  | 4191.2  | 4243.1  | 4299.5  | 4331.1  | 4333.4  | 4326.6  |
| 10°   | 4053.5  | 4042.2  | 4076.1  | 4125.7  | 4204.7  | 4297.3  | 4396.6  | 4464.3  | 4473.3  | 4502.7  |
| 12.5° | 4159.6  | 4148.3  | 4195.7  | 4249.9  | 4331.1  | 4428.2  | 4550.1  | 4644.8  | 4658.4  | 4699.0  |
| 15°   | 4337.9  | 4322.1  | 4376.3  | 4446.2  | 4550.1  | 4660.6  | 4789.3  | 4875.1  | 4886.3  | 4936.0  |
| 17.5° | 4545.5  | 4529.7  | 4592.9  | 4667.4  | 4780.3  | 4931.5  | 5080.4  | 5175.2  | 5188.8  | 5220.4  |
| 20°   | 4811.9  | 4791.5  | 4841.2  | 4908.9  | 5028.5  | 5209.1  | 5387.4  | 5522.8  | 5520.5  | 5520.5  |
| 22.5° | 5121.1  | 5089.5  | 5132.3  | 5186.5  | 5299.4  | 5518.3  | 5755.3  | 5915.5  | 5915.5  | 5852.3  |
| 25°   | 5452.8  | 5421.2  | 5468.6  | 5518.3  | 5617.6  | 5865.9  | 6143.5  | 6342.1  | 6351.1  | 6242.8  |
| 27.5° | 5868.1  | 5827.5  | 5863.6  | 5922.3  | 5981.0  | 6233.8  | 6563.3  | 6793.5  | 6798.0  | 6631.0  |
| 30°   | 6667.1  | 6552.0  | 6439.1  | 6375.9  | 6403.0  | 6653.5  | 7005.6  | 7260.7  | 7283.2  | 7053.0  |
| 32.5° | 8129.6  | 8107.0  | 7709.8  | 7190.7  | 6919.9  | 7104.9  | 7499.9  | 7806.9  | 7820.4  | 7524.7  |
| 35°   | 10402.4 | 10375.3 | 9736.6  | 8748.0  | 7865.5  | 7709.8  | 8100.3  | 8463.6  | 8454.6  | 8120.6  |
| 37.5° | 13115.3 | 13090.4 | 12248.6 | 10926.0 | 9497.3  | 8623.9  | 8874.4  | 9255.8  | 9312.3  | 8874.4  |
| 40°   | 15433.2 | 15340.6 | 14808.0 | 13532.8 | 11664.0 | 10140.6 | 9975.8  | 10228.6 | 10287.3 | 9768.2  |
| 42.5° | 17189.1 | 17110.1 | 16839.3 | 16042.5 | 14286.6 | 12384.0 | 11273.6 | 11370.6 | 11436.1 | 10813.1 |
| 45°   | 18098.6 | 18080.6 | 18188.9 | 18114.4 | 16958.9 | 15137.5 | 13128.8 | 12724.8 | 12749.6 | 11971.0 |
| 47.5° | 18227.3 | 18218.3 | 18712.5 | 19412.2 | 19256.5 | 18243.1 | 15509.9 | 14413.0 | 14325.0 | 13277.8 |
| 50°   | 17468.9 | 17450.9 | 18398.8 | 19710.1 | 20791.2 | 20852.1 | 18213.7 | 16315.6 | 16121.5 | 14629.7 |
| 52.5° | 15047.2 | 15042.7 | 16600.0 | 18782.5 | 21330.6 | 23136.2 | 20886.0 | 18405.6 | 18080.6 | 16060.6 |
| 55°   | 11578.3 | 11661.8 | 13447.0 | 16026.7 | 20346.6 | 24235.3 | 23285.2 | 20725.8 | 20227.0 | 17500.5 |
| 57.5° | 8201.8  | 8323.7  | 10088.7 | 12386.2 | 17295.2 | 23585.3 | 24907.9 | 23050.4 | 22513.3 | 18936.0 |
| 60°   | 4405.6  | 4513.9  | 6281.1  | 9023.4  | 12867.0 | 21161.3 | 25763.3 | 25068.2 | 24560.3 | 20299.2 |
| 62.5° | 2624.9  | 2661.0  | 3392.2  | 5825.2  | 8702.9  | 16166.7 | 25399.9 | 26605.2 | 26187.6 | 21443.5 |
| 65°   | 1884.6  | 1891.3  | 2259.2  | 3557.0  | 5283.6  | 9822.3  | 22851.8 | 27340.9 | 27212.3 | 22305.6 |
| 67.5° | 1586.6  | 1582.1  | 1735.6  | 2363.0  | 3599.9  | 4920.2  | 17514.1 | 26300.5 | 26846.7 | 22851.8 |
| 70°   | 1361.0  | 1367.7  | 1548.3  | 1731.1  | 2706.1  | 2785.1  | 8707.4  | 22899.2 | 24063.8 | 22996.3 |
| 72.5° | 1013.4  | 1035.9  | 1203.0  | 1577.6  | 2042.6  | 1916.2  | 3006.3  | 16979.2 | 19084.9 | 21666.9 |
| 75°   | 715.5   | 726.7   | 846.4   | 1327.1  | 1523.5  | 1394.8  | 1534.7  | 8777.4  | 11476.7 | 16611.3 |
| 77.5° | 550.7   | 571.0   | 641.0   | 927.6   | 1500.9  | 979.5   | 938.9   | 3037.9  | 4667.4  | 10034.5 |
| 80°   | 297.9   | 334.0   | 462.7   | 670.3   | 1054.0  | 692.9   | 464.9   | 1209.7  | 1582.1  | 4692.2  |
| 82.5° | 153.5   | 171.5   | 322.7   | 483.0   | 600.4   | 604.9   | 230.2   | 503.3   | 652.3   | 1449.0  |
| 85°   | 60.9    | 74.5    | 216.7   | 266.3   | 309.2   | 297.9   | 103.8   | 203.1   | 234.7   | 401.7   |
| 87.5° | 13.5    | 22.6    | 79.0    | 60.9    | 58.7    | 63.2    | 24.8    | 47.4    | 45.1    | 47.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953392  
 CATALOG NUMBER: GALN-SB6D-950-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4049.0  | 0°    | 4049.0  | 4049.0  | 4049.0 | 4049.0 | 4049.0 | 4049.0 | 4049.0 | 4049.0 | 4049.0 | 4049.0 |
| 4076.1  | 2.5°  | 4073.8  | 4064.8  | 4040.0 | 4012.9 | 3981.3 | 3963.2 | 3952.0 | 3949.7 | 3933.9 | 3922.6 |
| 4166.4  | 5°    | 4141.5  | 4132.5  | 4085.1 | 4028.7 | 3967.8 | 3920.4 | 3875.2 | 3834.6 | 3775.9 | 3764.6 |
| 4297.3  | 7.5°  | 4277.0  | 4252.1  | 4175.4 | 4098.7 | 3983.6 | 3845.9 | 3678.9 | 3487.0 | 3315.5 | 3263.6 |
| 4471.1  | 10°   | 4444.0  | 4410.1  | 4313.1 | 4177.7 | 3922.6 | 3548.0 | 3144.0 | 2769.3 | 2471.4 | 2387.9 |
| 4676.4  | 12.5° | 4633.6  | 4604.2  | 4475.6 | 4225.0 | 3667.6 | 2988.2 | 2369.8 | 1904.9 | 1616.0 | 1543.8 |
| 4895.4  | 15°   | 4859.3  | 4816.4  | 4638.1 | 4152.8 | 3211.7 | 2270.5 | 1627.3 | 1351.9 | 1248.1 | 1234.6 |
| 5145.9  | 17.5° | 5098.5  | 5028.5  | 4782.5 | 3893.3 | 2597.8 | 1613.7 | 1257.1 | 1178.1 | 1133.0 | 1119.5 |
| 5398.7  | 20°   | 5317.4  | 5227.1  | 4868.3 | 3500.6 | 1941.0 | 1257.1 | 1126.2 | 1074.3 | 1033.7 | 1017.9 |
| 5651.5  | 22.5° | 5536.3  | 5407.7  | 4868.3 | 2965.7 | 1455.7 | 1114.9 | 1033.7 | 986.3  | 938.9  | 918.6  |
| 5922.3  | 25°   | 5764.3  | 5592.8  | 4782.5 | 2369.8 | 1171.4 | 1022.4 | 945.7  | 893.8  | 853.1  | 828.3  |
| 6179.6  | 27.5° | 5985.5  | 5748.5  | 4586.2 | 1805.6 | 1042.7 | 941.2  | 864.4  | 814.8  | 776.4  | 758.3  |
| 6459.4  | 30°   | 6195.4  | 5902.0  | 4310.8 | 1370.0 | 959.2  | 862.2  | 789.9  | 747.1  | 708.7  | 690.6  |
| 6822.8  | 32.5° | 6479.8  | 6096.1  | 4017.4 | 1124.0 | 887.0  | 787.7  | 722.2  | 681.6  | 647.8  | 634.2  |
| 7294.5  | 35°   | 6874.7  | 6382.7  | 3764.6 | 1103.7 | 826.1  | 726.7  | 661.3  | 622.9  | 589.1  | 577.8  |
| 7903.9  | 37.5° | 7434.5  | 6845.4  | 3631.5 | 1239.1 | 776.4  | 672.6  | 611.6  | 571.0  | 539.4  | 530.4  |
| 8678.0  | 40°   | 8125.1  | 7472.8  | 3703.7 | 1374.5 | 742.5  | 625.2  | 566.5  | 525.9  | 498.8  | 487.5  |
| 9567.3  | 42.5° | 8944.4  | 8247.0  | 4103.2 | 1478.3 | 720.0  | 584.6  | 523.6  | 478.5  | 460.4  | 455.9  |
| 10576.2 | 45°   | 9885.5  | 9097.8  | 4714.8 | 1588.9 | 683.9  | 546.2  | 480.7  | 446.9  | 433.3  | 431.1  |
| 11673.0 | 47.5° | 10955.3 | 10032.2 | 5423.5 | 1726.6 | 647.8  | 510.1  | 446.9  | 424.3  | 413.0  | 408.5  |
| 12817.3 | 50°   | 12016.1 | 10973.4 | 6152.5 | 1803.3 | 618.4  | 476.2  | 419.8  | 401.7  | 392.7  | 390.5  |
| 14027.1 | 52.5° | 13126.5 | 11941.6 | 6741.6 | 1731.1 | 593.6  | 449.1  | 397.2  | 383.7  | 374.7  | 372.4  |
| 15142.0 | 55°   | 14185.1 | 12724.8 | 6843.1 | 1469.3 | 543.9  | 422.1  | 372.4  | 365.6  | 354.3  | 354.3  |
| 16272.8 | 57.5° | 15096.9 | 13117.5 | 6125.4 | 1078.8 | 494.3  | 381.4  | 347.6  | 340.8  | 331.8  | 329.5  |
| 17292.9 | 60°   | 15934.2 | 13004.7 | 4728.4 | 726.7  | 440.1  | 340.8  | 316.0  | 311.5  | 302.4  | 291.1  |
| 18179.9 | 62.5° | 16405.9 | 12508.1 | 3234.2 | 474.0  | 385.9  | 297.9  | 279.9  | 277.6  | 257.3  | 234.7  |
| 18836.7 | 65°   | 16584.2 | 11488.0 | 2017.7 | 345.3  | 322.7  | 255.0  | 241.5  | 237.0  | 207.6  | 182.8  |
| 19209.1 | 67.5° | 16428.5 | 9808.8  | 1017.9 | 273.1  | 255.0  | 212.2  | 198.6  | 198.6  | 178.3  | 155.7  |
| 19186.5 | 70°   | 15805.6 | 7353.2  | 428.8  | 218.9  | 196.4  | 162.5  | 162.5  | 171.5  | 151.2  | 126.4  |
| 18191.2 | 72.5° | 14453.6 | 4947.3  | 228.0  | 167.0  | 146.7  | 115.1  | 133.2  | 139.9  | 119.6  | 94.8   |
| 14889.2 | 75°   | 11490.2 | 3017.6  | 158.0  | 124.1  | 92.5   | 81.3   | 101.6  | 106.1  | 81.3   | 63.2   |
| 10208.3 | 77.5° | 7858.8  | 1733.4  | 106.1  | 79.0   | 58.7   | 47.4   | 70.0   | 65.5   | 42.9   | 29.3   |
| 3936.2  | 80°   | 3450.9  | 722.2   | 60.9   | 36.1   | 22.6   | 18.1   | 24.8   | 18.1   | 13.5   | 9.0    |
| 539.4   | 82.5° | 404.0   | 169.3   | 22.6   | 13.5   | 9.0    | 4.5    | 2.3    | 0.0    | 0.0    | 0.0    |
| 164.8   | 85°   | 83.5    | 20.3    | 11.3   | 4.5    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 29.3    | 87.5° | 15.8    | 4.5     | 2.3    | 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

|             |
|-------------|
| <u>180°</u> |
| 4049.0      |
| 3933.9      |
| 3760.1      |
| 3238.8      |
| 2356.3      |
| 1523.5      |
| 1221.0      |
| 1112.7      |
| 1008.9      |
| 907.3       |
| 819.3       |
| 758.3       |
| 692.9       |
| 634.2       |
| 577.8       |
| 528.1       |
| 485.2       |
| 455.9       |
| 428.8       |
| 408.5       |
| 390.5       |
| 372.4       |
| 352.1       |
| 327.3       |
| 288.9       |
| 230.2       |
| 180.6       |
| 153.5       |
| 124.1       |
| 94.8        |
| 60.9        |
| 31.6        |
| 9.0         |
| 0.0         |
| 0.0         |
| 0.0         |
| 0.0         |

F REPORT)