

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: P953036

Luminaire Tested: **GALN-SB6C-950-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

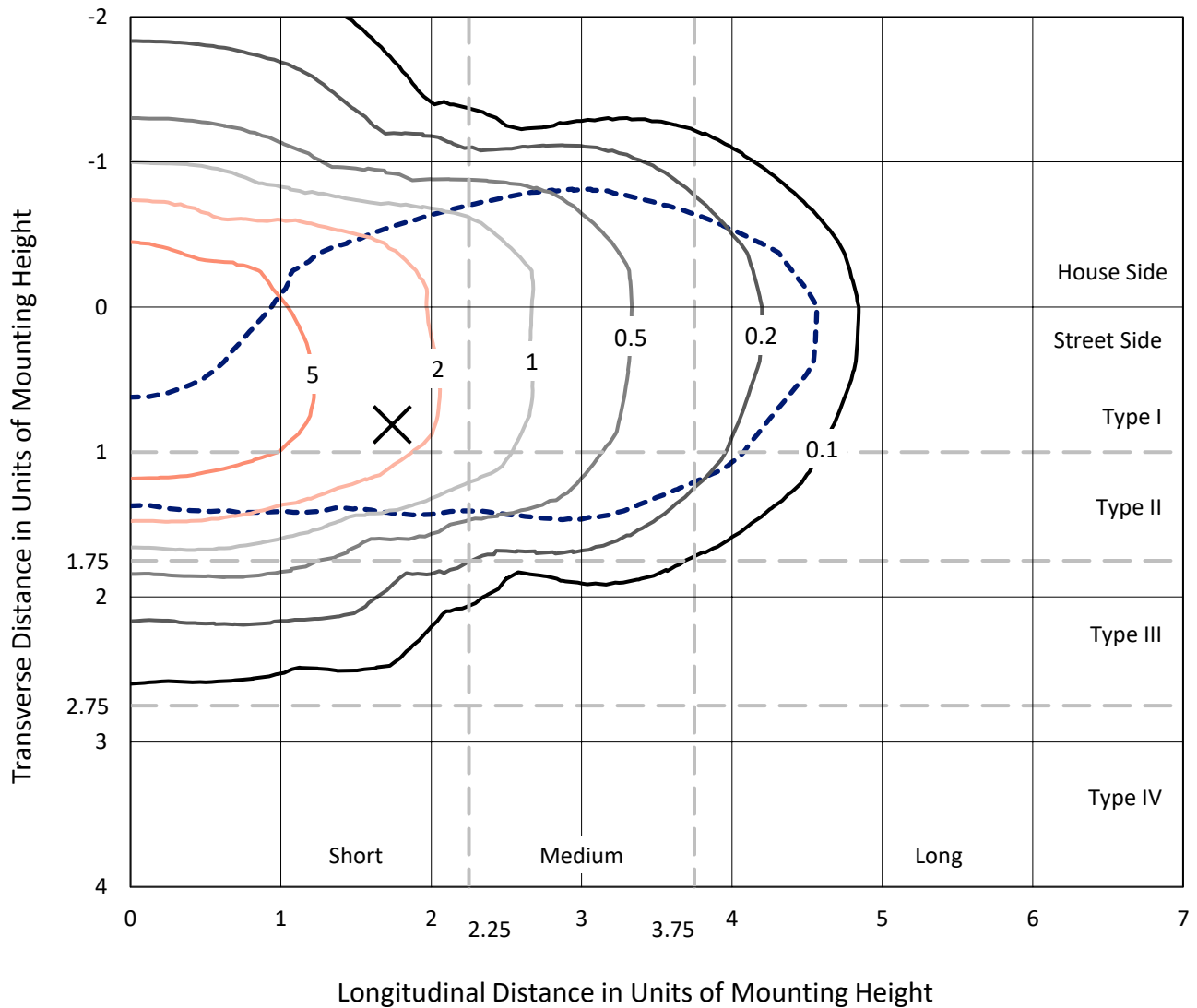
Lumens per Lamp: N/A  
Luminaire Lumens: 32016 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P953036  
 CATALOG NUMBER: GALN-SB6C-950-U-T2U

### Iso-Footcandle Lines of Horizontal Illumination

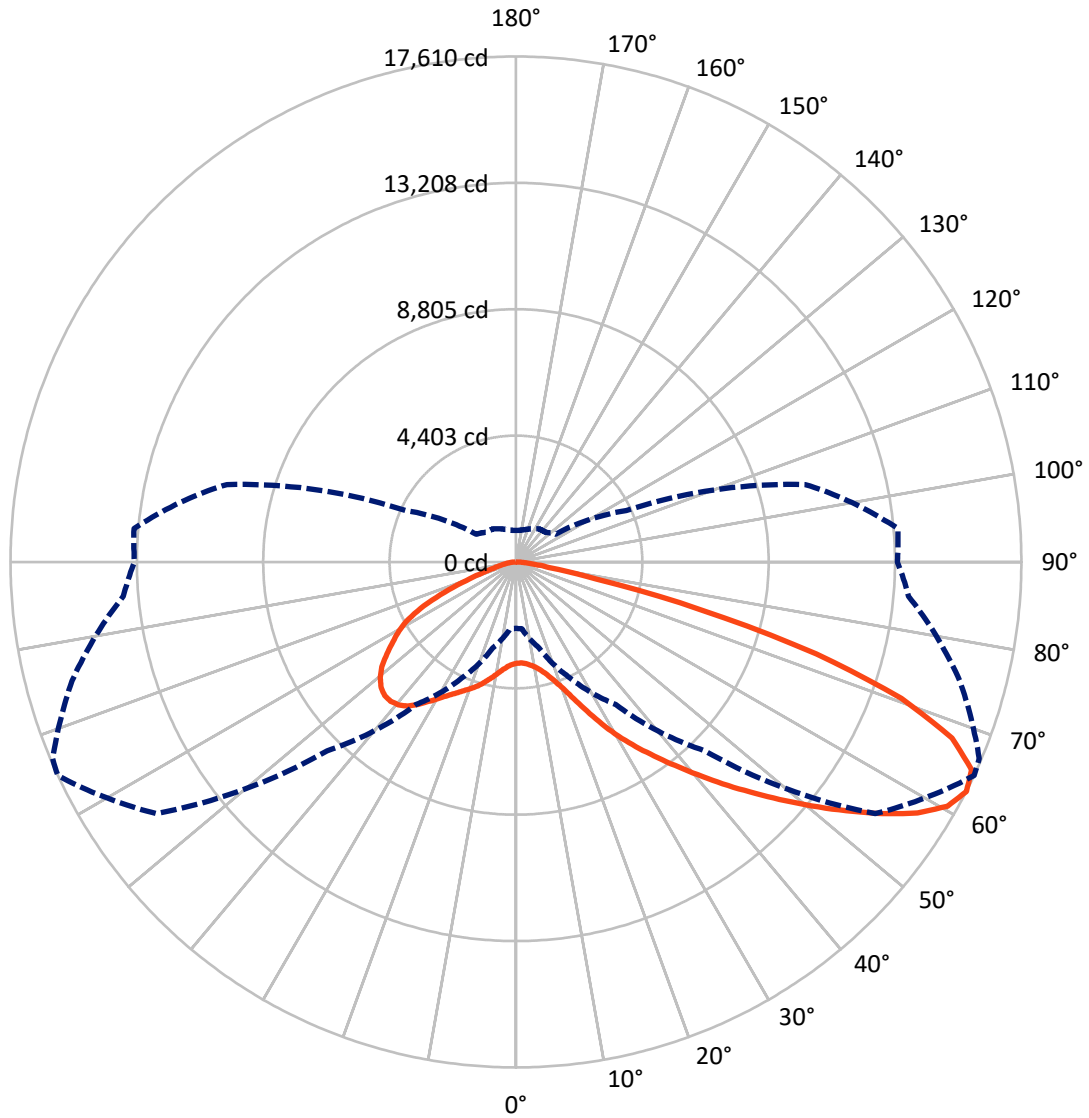
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

REPORT NUMBER: P953036  
CATALOG NUMBER: GALN-SB6C-950-U-T2U

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P953036  
 CATALOG NUMBER: GALN-SB6C-950-U-T2U

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10102.9  | 0.0    | 10102.9 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 21913.2  | 0.0    | 21913.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 32016.0  | 0.0    | 32016.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 351.7   | 1.1       |
| 10°-20°   | 1192.8  | 3.7       |
| 20°-30°   | 2418.5  | 7.6       |
| 30°-40°   | 4185.2  | 13.1      |
| 40°-50°   | 6333.4  | 19.8      |
| 50°-60°   | 7425.6  | 23.2      |
| 60°-70°   | 6225.4  | 19.4      |
| 70°-80°   | 3436.9  | 10.7      |
| 80°-90°   | 446.4   | 1.4       |
| 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°    | 32016.0 | 100.0     |
| 0°-180°   | 32016.0 | 100.0     |

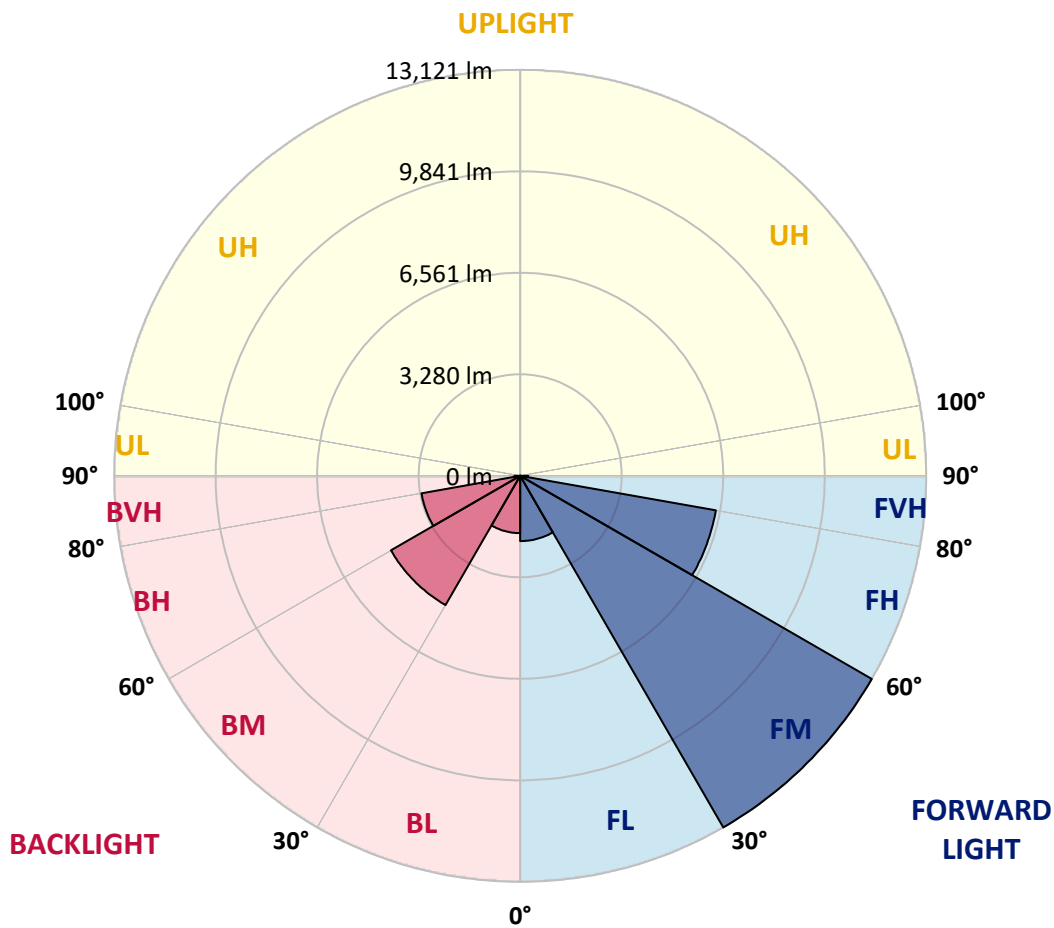


REPORT NUMBER: P953036  
 CATALOG NUMBER: GALN-SB6C-950-U-T2U

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2110.3  | 6.6       |                         |      |         |
| FM (30°-60°)   | 13121.2 | 41.0      |                         |      |         |
| FH (60°-80°)   | 6421.5  | 20.1      |                         |      | G3/7500 |
| FVH (80°-90°)  | 260.2   | 0.8       |                         |      | G3/500  |
| BL (0°-30°)    | 1852.7  | 5.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 4823.0  | 15.1      | B3/5000                 |      |         |
| BH (60°-80°)   | 3240.9  | 10.1      | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 186.2   | 0.6       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**  
 Type II Short



REPORT NUMBER: P953036  
 CATALOG NUMBER: GALN-SB6C-950-U-T2U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  | 3528.0  |
| 2.5°  | 3504.8  | 3494.8  | 3503.1  | 3503.1  | 3506.4  | 3504.8  | 3516.4  | 3519.7  | 3524.7  | 3534.7  |
| 5°    | 3469.9  | 3468.2  | 3483.2  | 3496.5  | 3509.8  | 3521.4  | 3536.3  | 3557.9  | 3561.2  | 3572.9  |
| 7.5°  | 3458.3  | 3448.3  | 3471.5  | 3488.2  | 3519.7  | 3548.0  | 3587.8  | 3624.4  | 3639.3  | 3644.3  |
| 10°   | 3548.0  | 3531.3  | 3552.9  | 3562.9  | 3589.5  | 3617.7  | 3664.2  | 3722.4  | 3739.0  | 3758.9  |
| 12.5° | 3700.8  | 3682.5  | 3714.1  | 3729.0  | 3753.9  | 3778.8  | 3810.4  | 3866.9  | 3875.2  | 3911.7  |
| 15°   | 3910.1  | 3888.5  | 3908.4  | 3926.7  | 3968.2  | 3991.5  | 4023.0  | 4077.8  | 4077.8  | 4106.1  |
| 17.5° | 4194.1  | 4165.9  | 4180.8  | 4187.5  | 4214.0  | 4248.9  | 4302.1  | 4350.2  | 4375.1  | 4365.2  |
| 20°   | 4617.7  | 4582.8  | 4582.8  | 4549.6  | 4539.6  | 4567.8  | 4637.6  | 4704.0  | 4730.6  | 4679.1  |
| 22.5° | 5253.8  | 5204.0  | 5175.8  | 5062.8  | 5018.0  | 5021.3  | 5091.1  | 5172.4  | 5194.0  | 5102.7  |
| 25°   | 6062.8  | 5984.7  | 5946.5  | 5780.4  | 5679.1  | 5591.0  | 5645.8  | 5750.5  | 5780.4  | 5667.4  |
| 27.5° | 6871.7  | 6876.7  | 6840.1  | 6640.8  | 6473.0  | 6311.9  | 6283.7  | 6393.3  | 6424.9  | 6297.0  |
| 30°   | 8006.2  | 7888.2  | 7818.5  | 7579.3  | 7340.1  | 7114.2  | 6997.9  | 7042.8  | 7051.1  | 6898.3  |
| 32.5° | 8984.5  | 8954.6  | 8805.1  | 8595.8  | 8288.5  | 7934.7  | 7740.4  | 7669.0  | 7655.7  | 7438.1  |
| 35°   | 10099.1 | 10082.4 | 9924.6  | 9675.5  | 9343.3  | 8851.6  | 8501.1  | 8296.8  | 8280.2  | 7974.6  |
| 37.5° | 11231.9 | 11231.9 | 11077.4 | 10805.0 | 10461.2 | 9846.6  | 9313.4  | 8989.5  | 8936.3  | 8537.7  |
| 40°   | 12135.5 | 12080.7 | 12108.9 | 11994.3 | 11600.6 | 10947.8 | 10215.3 | 9745.3  | 9673.8  | 9195.5  |
| 42.5° | 12648.7 | 12630.5 | 12799.9 | 12927.8 | 12766.7 | 12245.1 | 11208.6 | 10564.1 | 10464.5 | 9919.7  |
| 45°   | 12763.3 | 12743.4 | 13045.7 | 13514.1 | 13740.0 | 13525.8 | 12288.3 | 11426.2 | 11305.0 | 10677.1 |
| 47.5° | 12499.2 | 12459.4 | 12902.9 | 13642.0 | 14366.2 | 14743.3 | 13457.7 | 12361.4 | 12185.3 | 11414.6 |
| 50°   | 11705.3 | 11667.1 | 12338.1 | 13319.8 | 14577.2 | 15570.5 | 14726.7 | 13353.0 | 13083.9 | 12205.2 |
| 52.5° | 9979.5  | 9997.7  | 11049.2 | 12397.9 | 14299.8 | 16085.4 | 15819.6 | 14397.8 | 14073.9 | 13014.2 |
| 55°   | 7773.6  | 7813.5  | 9105.8  | 10590.7 | 13190.2 | 16007.3 | 16565.4 | 15474.1 | 15151.9 | 13774.9 |
| 57.5° | 5566.1  | 5742.2  | 6953.1  | 8423.1  | 11059.1 | 14769.9 | 16728.2 | 16497.3 | 16185.1 | 14605.4 |
| 60°   | 3607.8  | 3639.3  | 4885.1  | 6366.7  | 8421.4  | 12570.7 | 16397.7 | 17273.0 | 17028.9 | 15452.5 |
| 62.5° | 2312.2  | 2333.7  | 3092.8  | 4453.2  | 6061.1  | 9300.1  | 15284.8 | 17610.2 | 17535.5 | 16012.3 |
| 65°   | 1699.2  | 1682.6  | 2077.9  | 2943.3  | 4082.8  | 5735.5  | 13123.8 | 17447.4 | 17595.3 | 16362.8 |
| 67.5° | 1418.5  | 1395.3  | 1589.6  | 2038.1  | 3008.1  | 3257.3  | 9710.4  | 16389.4 | 16930.9 | 16322.9 |
| 70°   | 1292.3  | 1272.3  | 1390.3  | 1513.2  | 2347.0  | 2180.9  | 4895.1  | 14248.3 | 15082.1 | 15869.5 |
| 72.5° | 1094.6  | 1059.7  | 1220.9  | 1343.8  | 1825.5  | 1672.7  | 2023.1  | 10944.5 | 11961.1 | 14416.1 |
| 75°   | 848.8   | 825.5   | 963.4   | 1182.7  | 1372.0  | 1305.6  | 1279.0  | 6645.8  | 7755.3  | 11148.8 |
| 77.5° | 672.7   | 641.2   | 767.4   | 921.9   | 1234.1  | 985.0   | 931.8   | 2862.0  | 3961.6  | 7117.5  |
| 80°   | 506.6   | 478.4   | 583.0   | 729.2   | 948.4   | 742.5   | 603.0   | 1167.7  | 1493.3  | 3606.1  |
| 82.5° | 360.4   | 335.5   | 407.0   | 534.9   | 637.8   | 666.1   | 370.4   | 654.4   | 735.8   | 1390.3  |
| 85°   | 230.9   | 215.9   | 272.4   | 335.5   | 405.3   | 428.5   | 225.9   | 342.2   | 375.4   | 573.1   |
| 87.5° | 126.2   | 103.0   | 146.2   | 156.1   | 187.7   | 171.1   | 108.0   | 124.6   | 134.5   | 207.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953036  
 CATALOG NUMBER: GALN-SB6C-950-U-T2U

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 3528.0  | 0°    | 3528.0  | 3528.0  | 3528.0  | 3528.0 | 3528.0 | 3528.0 | 3528.0 | 3528.0 | 3528.0 | 3528.0 |
| 3534.7  | 2.5°  | 3541.3  | 3546.3  | 3562.9  | 3567.9 | 3579.5 | 3594.5 | 3604.4 | 3614.4 | 3614.4 | 3624.4 |
| 3587.8  | 5°    | 3589.5  | 3601.1  | 3636.0  | 3654.3 | 3684.2 | 3714.1 | 3732.3 | 3753.9 | 3767.2 | 3773.9 |
| 3672.5  | 7.5°  | 3682.5  | 3700.8  | 3750.6  | 3782.2 | 3833.7 | 3875.2 | 3903.4 | 3933.3 | 3940.0 | 3958.2 |
| 3790.5  | 10°   | 3808.7  | 3830.3  | 3886.8  | 3946.6 | 4008.1 | 4059.6 | 4086.1 | 4107.7 | 4116.0 | 4119.4 |
| 3941.6  | 12.5° | 3953.2  | 3984.8  | 4057.9  | 4131.0 | 4195.8 | 4240.6 | 4247.2 | 4242.3 | 4219.0 | 4199.1 |
| 4127.7  | 15°   | 4131.0  | 4159.2  | 4240.6  | 4320.3 | 4383.5 | 4391.8 | 4350.2 | 4323.7 | 4295.4 | 4290.4 |
| 4335.3  | 17.5° | 4343.6  | 4358.5  | 4433.3  | 4511.4 | 4516.3 | 4488.1 | 4426.6 | 4401.7 | 4375.1 | 4356.9 |
| 4606.0  | 20°   | 4591.1  | 4586.1  | 4639.3  | 4672.5 | 4637.6 | 4551.2 | 4458.2 | 4416.7 | 4390.1 | 4368.5 |
| 4938.2  | 22.5° | 4886.7  | 4848.5  | 4841.9  | 4833.6 | 4740.6 | 4559.5 | 4433.3 | 4380.1 | 4338.6 | 4308.7 |
| 5401.7  | 25°   | 5317.0  | 5170.8  | 5069.5  | 5013.0 | 4803.7 | 4514.7 | 4353.6 | 4235.6 | 4157.6 | 4106.1 |
| 5968.1  | 27.5° | 5855.1  | 5609.3  | 5353.5  | 5215.6 | 4803.7 | 4423.3 | 4160.9 | 3969.9 | 3842.0 | 3788.8 |
| 6516.2  | 30°   | 6368.4  | 6110.9  | 5733.9  | 5459.8 | 4792.1 | 4273.8 | 3850.3 | 3584.5 | 3435.0 | 3381.9 |
| 6984.6  | 32.5° | 6806.9  | 6526.2  | 6137.5  | 5727.2 | 4763.8 | 4031.3 | 3464.9 | 3170.9 | 3026.4 | 2963.3 |
| 7448.1  | 35°   | 7213.8  | 6914.9  | 6542.8  | 6021.2 | 4689.1 | 3675.9 | 3041.3 | 2817.1 | 2656.0 | 2554.7 |
| 7919.8  | 37.5° | 7630.8  | 7275.3  | 6926.5  | 6287.0 | 4554.5 | 3260.6 | 2715.8 | 2524.8 | 2335.4 | 2199.2 |
| 8421.4  | 40°   | 8084.2  | 7659.0  | 7336.8  | 6444.8 | 4333.6 | 2865.3 | 2463.3 | 2288.9 | 2087.9 | 1943.4 |
| 8999.5  | 42.5° | 8614.1  | 8119.1  | 7793.5  | 6526.2 | 4031.3 | 2584.6 | 2298.9 | 2127.8 | 1938.4 | 1820.5 |
| 9619.0  | 45°   | 9167.2  | 8625.7  | 8210.5  | 6524.5 | 3694.1 | 2453.3 | 2245.7 | 2076.3 | 1867.0 | 1744.1 |
| 10255.2 | 47.5° | 9746.9  | 9155.6  | 8570.9  | 6418.2 | 3401.8 | 2471.6 | 2215.8 | 1965.0 | 1734.1 | 1614.5 |
| 10898.0 | 50°   | 10328.3 | 9735.3  | 8919.7  | 6218.9 | 3277.2 | 2431.7 | 2104.5 | 1808.9 | 1536.5 | 1428.5 |
| 11501.0 | 52.5° | 10904.7 | 10351.5 | 9220.4  | 5934.9 | 3151.0 | 2283.9 | 1961.7 | 1606.2 | 1455.1 | 1380.3 |
| 12123.8 | 55°   | 11484.4 | 10961.1 | 9547.6  | 5521.3 | 2835.4 | 2111.2 | 1722.5 | 1529.8 | 1390.3 | 1322.2 |
| 12733.4 | 57.5° | 12065.7 | 11665.4 | 9858.2  | 5107.7 | 2438.4 | 1898.6 | 1591.3 | 1436.8 | 1325.5 | 1267.4 |
| 13243.4 | 60°   | 12670.3 | 12471.0 | 10178.8 | 4727.3 | 2046.4 | 1626.1 | 1494.9 | 1362.0 | 1249.1 | 1184.3 |
| 13733.4 | 62.5° | 13293.2 | 13358.0 | 10429.6 | 4237.3 | 1685.9 | 1460.0 | 1408.6 | 1272.3 | 1162.7 | 1101.3 |
| 14138.7 | 65°   | 13921.1 | 14213.4 | 10594.0 | 3557.9 | 1367.0 | 1302.2 | 1315.5 | 1174.3 | 1063.1 | 1009.9 |
| 14436.0 | 67.5° | 14394.5 | 14829.7 | 10547.5 | 2692.5 | 1121.2 | 1152.8 | 1199.3 | 1071.4 | 966.7  | 925.2  |
| 14387.8 | 70°   | 14447.6 | 14756.6 | 10089.1 | 1843.7 | 938.5  | 1006.6 | 1069.7 | 970.0  | 862.1  | 832.2  |
| 13710.1 | 72.5° | 13740.0 | 13760.0 | 8811.8  | 1204.2 | 794.0  | 883.7  | 933.5  | 867.1  | 762.4  | 732.5  |
| 11994.3 | 75°   | 11884.7 | 11379.7 | 6469.7  | 794.0  | 664.4  | 759.1  | 805.6  | 759.1  | 657.8  | 664.4  |
| 8974.5  | 77.5° | 9004.4  | 8059.3  | 3928.3  | 564.7  | 554.8  | 637.8  | 701.0  | 667.7  | 581.4  | 652.8  |
| 4513.0  | 80°   | 4639.3  | 4360.2  | 1752.4  | 421.9  | 438.5  | 509.9  | 576.4  | 533.2  | 460.1  | 438.5  |
| 1008.2  | 82.5° | 1063.1  | 1235.8  | 691.0   | 302.3  | 317.3  | 367.1  | 440.2  | 400.3  | 330.5  | 279.1  |
| 420.2   | 85°   | 372.1   | 407.0   | 305.6   | 189.4  | 186.0  | 229.2  | 299.0  | 267.4  | 224.2  | 179.4  |
| 177.7   | 87.5° | 117.9   | 154.5   | 114.6   | 76.4   | 79.7   | 103.0  | 137.9  | 126.2  | 104.6  | 68.1   |
| 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> |
|-------------|
| 3528.0      |
| 3624.4      |
| 3777.2      |
| 3951.6      |
| 4111.0      |
| 4199.1      |
| 4290.4      |
| 4358.5      |
| 4370.2      |
| 4318.7      |
| 4126.0      |
| 3815.4      |
| 3413.4      |
| 2994.8      |
| 2587.9      |
| 2235.7      |
| 1971.6      |
| 1843.7      |
| 1764.0      |
| 1631.1      |
| 1435.1      |
| 1380.3      |
| 1315.5      |
| 1257.4      |
| 1179.3      |
| 1099.6      |
| 1008.2      |
| 926.9       |
| 833.8       |
| 730.9       |
| 641.2       |
| 574.7       |
| 400.3       |
| 275.7       |
| 189.4       |
| 71.4        |
| 0.0         |

F REPORT)