

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: P950497

Luminaire Tested: **GLAN-SB4D-935-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-935-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29126 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

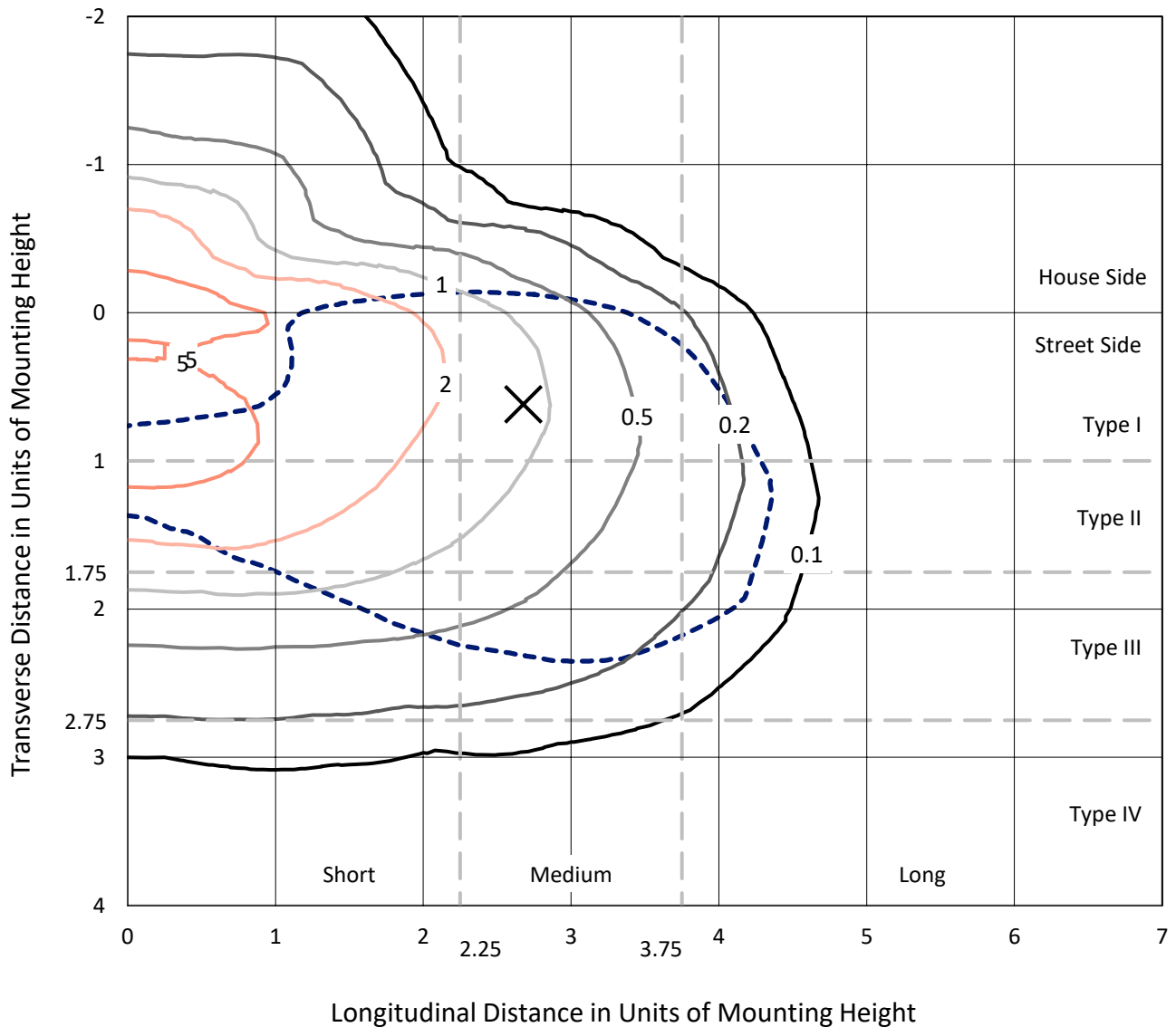
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950497
 CATALOG NUMBER: GLAN-SB4D-935-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

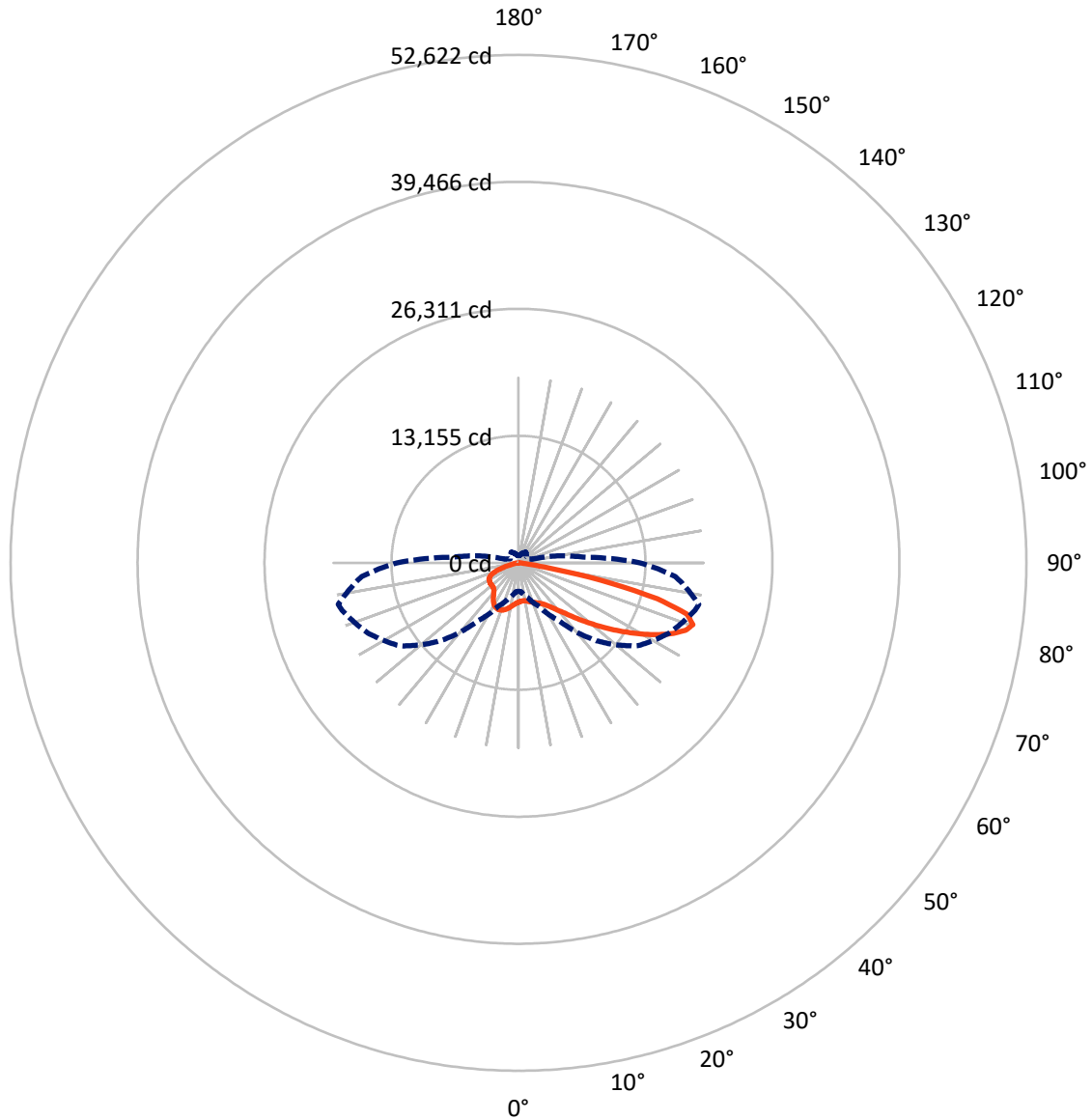
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P950497
CATALOG NUMBER: GLAN-SB4D-935-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P950497
 CATALOG NUMBER: GLAN-SB4D-935-U-T3R

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6378.1 | 0.0 | 6378.1 |
| | % Fixture | 21.9 | 0.0 | 21.9 |
| Street Side | Lumens | 22747.9 | 0.0 | 22747.9 |
| | % Fixture | 78.1 | 0.0 | 78.1 |
| Total | Lumens | 29126.0 | 0.0 | 29126.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 387.5 | 1.3 |
| 10°-20° | 1118.5 | 3.8 |
| 20°-30° | 1912.7 | 6.6 |
| 30°-40° | 3075.9 | 10.6 |
| 40°-50° | 4802.2 | 16.5 |
| 50°-60° | 6414.6 | 22.0 |
| 60°-70° | 6837.0 | 23.5 |
| 70°-80° | 4208.8 | 14.5 |
| 80°-90° | 368.8 | 1.3 |
| 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° | 29126.0 | 100.0 |
| 0°-180° | 29126.0 | 100.0 |

Coefficient of Utilization

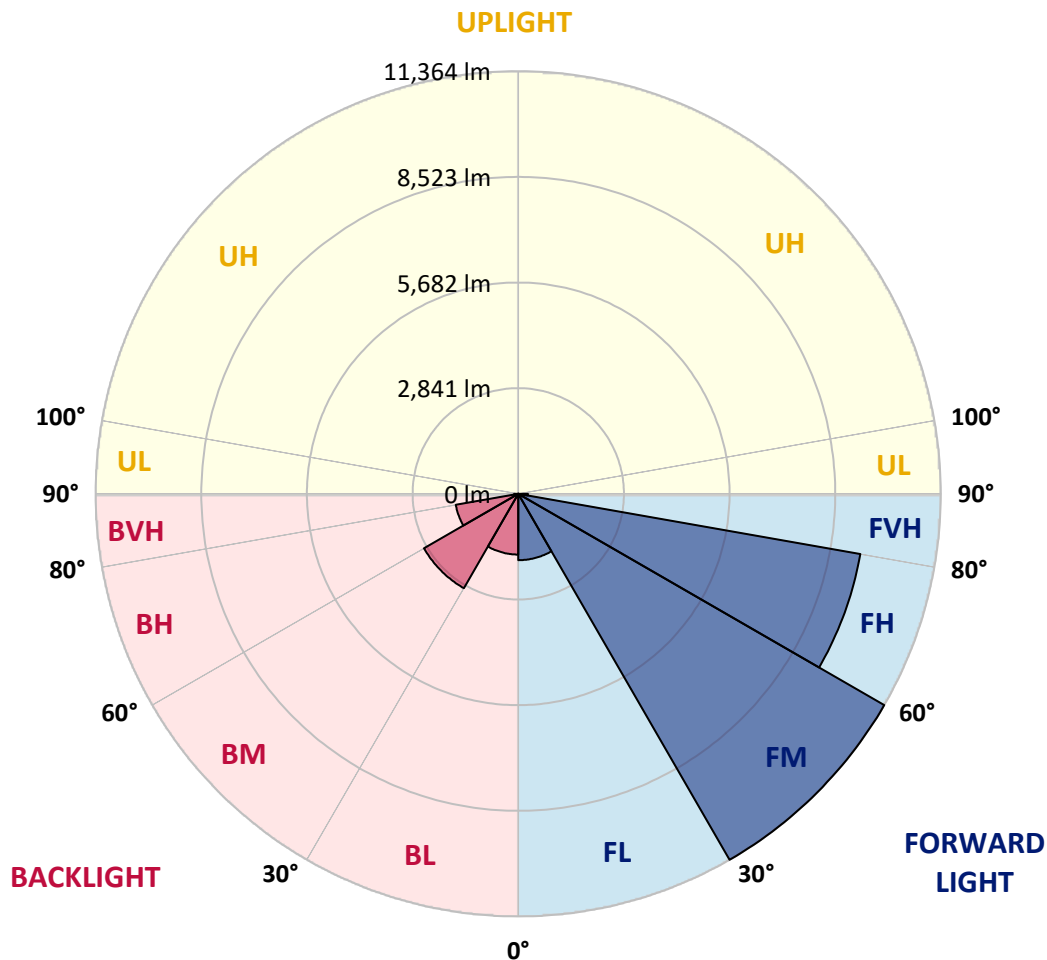


REPORT NUMBER: P950497
 CATALOG NUMBER: GLAN-SB4D-935-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1784.4 | 6.1 | | | |
| FM (30°-60°) | 11364.3 | 39.0 | | | |
| FH (60°-80°) | 9341.2 | 32.1 | | | G4/12000 |
| FVH (80°-90°) | 257.9 | 0.9 | | | G3/500 |
| BL (0°-30°) | 1634.3 | 5.6 | B3/2500 | | |
| BM (30°-60°) | 2928.3 | 10.1 | B3/5000 | | |
| BH (60°-80°) | 1704.6 | 5.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 110.9 | 0.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type III Medium



REPORT NUMBER: P950497
 CATALOG NUMBER: GLAN-SB4D-935-U-T3R

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 |
| 2.5° | 3745.6 | 3744.1 | 3763.5 | 3769.5 | 3805.3 | 3830.6 | 3878.4 | 3929.1 | 3994.7 | 4002.2 |
| 5° | 3529.3 | 3529.3 | 3551.7 | 3575.6 | 3621.8 | 3672.5 | 3745.6 | 3833.6 | 3947.0 | 3964.9 |
| 7.5° | 3345.8 | 3357.8 | 3377.2 | 3423.4 | 3477.1 | 3550.2 | 3662.1 | 3787.4 | 3936.5 | 3964.9 |
| 10° | 3198.2 | 3211.6 | 3235.5 | 3272.8 | 3353.3 | 3454.7 | 3600.9 | 3762.0 | 3961.9 | 4006.7 |
| 12.5° | 3151.9 | 3165.3 | 3178.8 | 3207.1 | 3281.7 | 3401.0 | 3575.6 | 3774.0 | 4023.1 | 4067.8 |
| 15° | 3259.3 | 3275.7 | 3265.3 | 3257.8 | 3296.6 | 3405.5 | 3587.5 | 3817.2 | 4099.1 | 4163.3 |
| 17.5° | 3506.9 | 3512.9 | 3489.0 | 3418.9 | 3413.0 | 3471.1 | 3644.2 | 3876.9 | 4194.6 | 4264.7 |
| 20° | 3906.7 | 3896.3 | 3847.0 | 3708.3 | 3629.3 | 3617.3 | 3741.1 | 3966.4 | 4293.1 | 4367.6 |
| 22.5° | 4449.7 | 4437.8 | 4339.3 | 4120.0 | 3944.0 | 3827.7 | 3881.4 | 4082.7 | 4403.4 | 4487.0 |
| 25° | 5126.9 | 5110.5 | 4965.8 | 4667.5 | 4394.5 | 4106.6 | 4072.3 | 4236.4 | 4539.2 | 4616.8 |
| 27.5° | 5917.5 | 5904.1 | 5747.5 | 5353.6 | 4959.8 | 4488.5 | 4309.5 | 4416.9 | 4680.9 | 4768.9 |
| 30° | 6767.8 | 6806.5 | 6529.1 | 6105.5 | 5607.2 | 4986.7 | 4628.7 | 4639.1 | 4864.4 | 4943.4 |
| 32.5° | 7767.2 | 7834.3 | 7500.2 | 6963.2 | 6283.0 | 5528.2 | 5031.4 | 4949.4 | 5131.4 | 5197.0 |
| 35° | 8757.7 | 8833.7 | 8556.3 | 7962.6 | 7179.5 | 6166.6 | 5452.1 | 5305.9 | 5486.4 | 5558.0 |
| 37.5° | 9613.9 | 9715.3 | 9572.1 | 9056.0 | 8138.6 | 6936.3 | 6001.0 | 5725.1 | 5923.5 | 6013.0 |
| 40° | 10289.6 | 10444.8 | 10434.3 | 10112.1 | 9269.3 | 7870.1 | 6697.7 | 6242.7 | 6466.4 | 6563.4 |
| 42.5° | 10838.6 | 10972.8 | 11089.2 | 11072.8 | 10449.2 | 8930.7 | 7516.6 | 6915.4 | 7085.5 | 7197.4 |
| 45° | 11217.5 | 11360.7 | 11611.3 | 11881.2 | 11584.4 | 10065.9 | 8454.9 | 7713.5 | 7868.6 | 8037.2 |
| 47.5° | 11556.1 | 11718.7 | 12043.8 | 12472.0 | 12548.0 | 11205.5 | 9482.6 | 8642.8 | 8784.5 | 8959.0 |
| 50° | 11585.9 | 11726.1 | 12230.3 | 12837.4 | 13232.7 | 12300.4 | 10586.5 | 9685.5 | 9818.3 | 10004.7 |
| 52.5° | 10865.4 | 11086.2 | 11966.3 | 12827.0 | 13547.5 | 13216.3 | 11682.9 | 10769.9 | 10919.1 | 11142.9 |
| 55° | 8434.0 | 8757.7 | 11192.1 | 12427.2 | 13435.6 | 13808.5 | 12725.5 | 11923.0 | 12114.0 | 12348.1 |
| 57.5° | 7264.5 | 7406.2 | 8884.5 | 11699.3 | 12925.4 | 13962.1 | 13605.6 | 13088.0 | 13395.3 | 13651.9 |
| 60° | 6529.1 | 6646.9 | 7521.1 | 10567.1 | 12254.2 | 13719.0 | 14285.8 | 14174.0 | 14705.0 | 15010.8 |
| 62.5° | 5741.5 | 5853.4 | 6648.4 | 8823.3 | 11395.0 | 13314.8 | 14715.4 | 15176.4 | 16047.5 | 16381.7 |
| 65° | 4959.8 | 5055.3 | 5817.6 | 7413.7 | 10303.0 | 12910.5 | 14937.7 | 16043.0 | 17290.1 | 17636.2 |
| 67.5° | 4088.7 | 4167.8 | 4888.2 | 6254.6 | 8975.5 | 12357.1 | 15048.1 | 16724.7 | 18371.6 | 18668.4 |
| 70° | 2950.5 | 3011.7 | 3756.1 | 4946.4 | 7309.2 | 11405.4 | 15003.3 | 17208.0 | 18932.4 | 19169.6 |
| 72.5° | 1394.7 | 1449.9 | 2324.0 | 3211.6 | 5162.7 | 9552.7 | 14097.9 | 16824.7 | 18362.6 | 18244.8 |
| 75° | 744.3 | 792.1 | 1335.1 | 1761.7 | 2726.8 | 6548.5 | 11536.7 | 14493.2 | 15419.5 | 14846.7 |
| 77.5° | 504.2 | 541.5 | 826.4 | 1057.6 | 1245.6 | 3108.7 | 7415.2 | 10034.5 | 9654.2 | 8708.4 |
| 80° | 399.8 | 438.6 | 677.2 | 716.0 | 602.6 | 1123.2 | 3063.9 | 4645.1 | 3336.9 | 2668.6 |
| 82.5° | 307.3 | 350.5 | 569.8 | 519.1 | 328.2 | 460.9 | 892.0 | 1469.3 | 854.7 | 650.4 |
| 85° | 188.0 | 234.2 | 447.5 | 331.2 | 185.0 | 210.3 | 302.8 | 408.7 | 261.0 | 217.8 |
| 87.5° | 95.5 | 134.3 | 226.7 | 120.8 | 83.5 | 49.2 | 80.6 | 80.6 | 68.6 | 59.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P950497
 CATALOG NUMBER: GLAN-SB4D-935-U-T3R

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4063.3 | 0° | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 | 4063.3 |
| 4042.5 | 2.5° | 4078.3 | 4108.1 | 4158.8 | 4206.5 | 4243.8 | 4279.6 | 4315.4 | 4334.8 | 4340.8 | 4364.7 |
| 4064.8 | 5° | 4126.0 | 4181.2 | 4279.6 | 4372.1 | 4430.3 | 4466.1 | 4491.5 | 4506.4 | 4509.4 | 4516.8 |
| 4126.0 | 7.5° | 4214.0 | 4302.0 | 4439.2 | 4531.7 | 4575.0 | 4572.0 | 4561.6 | 4524.3 | 4509.4 | 4495.9 |
| 4215.5 | 10° | 4337.8 | 4454.2 | 4622.7 | 4686.9 | 4660.0 | 4588.4 | 4495.9 | 4387.0 | 4336.3 | 4287.1 |
| 4337.8 | 12.5° | 4491.5 | 4639.1 | 4804.7 | 4801.7 | 4669.0 | 4485.5 | 4270.7 | 4103.6 | 3997.7 | 3921.6 |
| 4488.5 | 15° | 4677.9 | 4848.0 | 4974.8 | 4873.3 | 4582.4 | 4252.8 | 3938.0 | 3720.3 | 3624.8 | 3541.3 |
| 4640.6 | 17.5° | 4870.3 | 5052.3 | 5110.5 | 4851.0 | 4364.7 | 3908.2 | 3551.7 | 3380.2 | 3286.2 | 3241.4 |
| 4804.7 | 20° | 5058.3 | 5238.8 | 5191.1 | 4722.7 | 4033.5 | 3517.4 | 3199.7 | 3105.7 | 3086.3 | 3096.7 |
| 4964.3 | 22.5° | 5256.7 | 5417.8 | 5207.5 | 4475.0 | 3611.4 | 3117.6 | 2943.1 | 2946.1 | 2989.3 | 3020.7 |
| 5131.4 | 25° | 5459.6 | 5568.5 | 5164.2 | 4117.0 | 3157.9 | 2823.8 | 2780.5 | 2828.2 | 2913.3 | 2974.4 |
| 5319.3 | 27.5° | 5655.0 | 5702.7 | 5070.2 | 3674.0 | 2768.6 | 2613.4 | 2620.9 | 2719.3 | 2847.6 | 2932.6 |
| 5547.6 | 30° | 5875.7 | 5822.0 | 4889.7 | 3175.8 | 2498.6 | 2432.9 | 2495.6 | 2610.4 | 2738.7 | 2814.8 |
| 5835.5 | 32.5° | 6124.8 | 5925.0 | 4603.3 | 2714.9 | 2307.6 | 2288.2 | 2391.2 | 2465.8 | 2522.4 | 2544.8 |
| 6217.3 | 35° | 6435.1 | 6069.7 | 4236.4 | 2391.2 | 2136.1 | 2182.3 | 2280.8 | 2243.5 | 2221.1 | 2209.2 |
| 6730.5 | 37.5° | 6837.9 | 6265.1 | 3806.8 | 2180.8 | 1997.4 | 2106.3 | 2146.5 | 2030.2 | 1942.2 | 1898.9 |
| 7352.5 | 40° | 7322.7 | 6551.5 | 3393.6 | 2018.2 | 1909.4 | 2040.6 | 1970.5 | 1830.3 | 1718.4 | 1657.3 |
| 8052.1 | 42.5° | 7861.2 | 6851.3 | 3046.0 | 1895.9 | 1860.1 | 1986.9 | 1840.7 | 1673.7 | 1493.2 | 1473.8 |
| 8886.0 | 45° | 8426.5 | 7160.1 | 2808.8 | 1802.0 | 1836.3 | 1940.7 | 1766.2 | 1496.2 | 1367.9 | 1446.9 |
| 9722.8 | 47.5° | 8991.9 | 7443.5 | 2665.6 | 1731.8 | 1824.3 | 1888.5 | 1700.5 | 1397.7 | 1306.7 | 1421.6 |
| 10619.3 | 50° | 9621.4 | 7697.1 | 2601.5 | 1681.1 | 1810.9 | 1867.6 | 1602.1 | 1372.3 | 1242.6 | 1318.6 |
| 11547.1 | 52.5° | 10246.4 | 7894.0 | 2553.8 | 1630.4 | 1791.5 | 1851.2 | 1554.3 | 1342.5 | 1165.0 | 1169.5 |
| 12480.9 | 55° | 10869.9 | 8022.3 | 2501.6 | 1563.3 | 1748.3 | 1815.4 | 1549.9 | 1309.7 | 1106.8 | 1085.9 |
| 13468.4 | 57.5° | 11535.2 | 8095.4 | 2437.4 | 1488.7 | 1673.7 | 1724.4 | 1545.4 | 1284.3 | 1088.9 | 1054.6 |
| 14478.3 | 60° | 12212.4 | 8202.8 | 2353.9 | 1397.7 | 1573.7 | 1615.5 | 1534.9 | 1275.4 | 1078.5 | 1020.3 |
| 15430.0 | 62.5° | 12819.5 | 8240.1 | 2253.9 | 1311.2 | 1445.4 | 1508.1 | 1512.6 | 1267.9 | 1050.1 | 950.2 |
| 16220.6 | 65° | 13217.8 | 8079.0 | 2079.4 | 1212.7 | 1306.7 | 1397.7 | 1469.3 | 1242.6 | 999.4 | 899.5 |
| 16611.4 | 67.5° | 13201.4 | 7619.5 | 1806.4 | 1085.9 | 1172.5 | 1275.4 | 1406.7 | 1199.3 | 938.3 | 836.8 |
| 16316.0 | 70° | 12586.8 | 6712.6 | 1460.4 | 938.3 | 1024.8 | 1144.1 | 1326.1 | 1135.2 | 865.2 | 768.2 |
| 14508.1 | 72.5° | 10795.3 | 5253.7 | 1060.6 | 765.2 | 853.2 | 1008.4 | 1221.7 | 1057.6 | 790.6 | 707.1 |
| 10722.2 | 75° | 7712.0 | 3325.0 | 719.0 | 587.7 | 663.8 | 854.7 | 1091.9 | 966.6 | 722.0 | 710.0 |
| 5370.1 | 77.5° | 3939.5 | 1588.6 | 475.8 | 429.6 | 462.4 | 674.2 | 917.4 | 863.7 | 732.4 | 586.2 |
| 1527.5 | 80° | 1281.4 | 586.2 | 299.8 | 292.4 | 307.3 | 449.0 | 710.0 | 708.5 | 554.9 | 398.3 |
| 369.9 | 82.5° | 408.7 | 252.1 | 195.4 | 188.0 | 180.5 | 281.9 | 495.2 | 560.9 | 374.4 | 252.1 |
| 132.8 | 85° | 162.6 | 150.7 | 114.9 | 105.9 | 76.1 | 132.8 | 259.6 | 372.9 | 278.9 | 182.0 |
| 34.3 | 87.5° | 59.7 | 59.7 | 31.3 | 22.4 | 16.4 | 44.8 | 70.1 | 111.9 | 159.6 | 94.0 |
| 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° |
|--------|
| 4063.3 |
| 4378.1 |
| 4528.7 |
| 4498.9 |
| 4272.2 |
| 3903.7 |
| 3532.3 |
| 3254.9 |
| 3092.3 |
| 3028.1 |
| 2990.8 |
| 2953.5 |
| 2832.7 |
| 2556.7 |
| 2221.1 |
| 1909.4 |
| 1661.7 |
| 1493.2 |
| 1488.7 |
| 1475.3 |
| 1375.3 |
| 1200.8 |
| 1100.9 |
| 1059.1 |
| 1024.8 |
| 950.2 |
| 899.5 |
| 841.3 |
| 777.2 |
| 702.6 |
| 669.8 |
| 522.1 |
| 352.0 |
| 250.6 |
| 186.5 |
| 92.5 |
| 0.0 |

F REPORT)