

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: P851337

Luminaire Tested: **GLAN-SB9B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851337
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-SB9B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39473 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

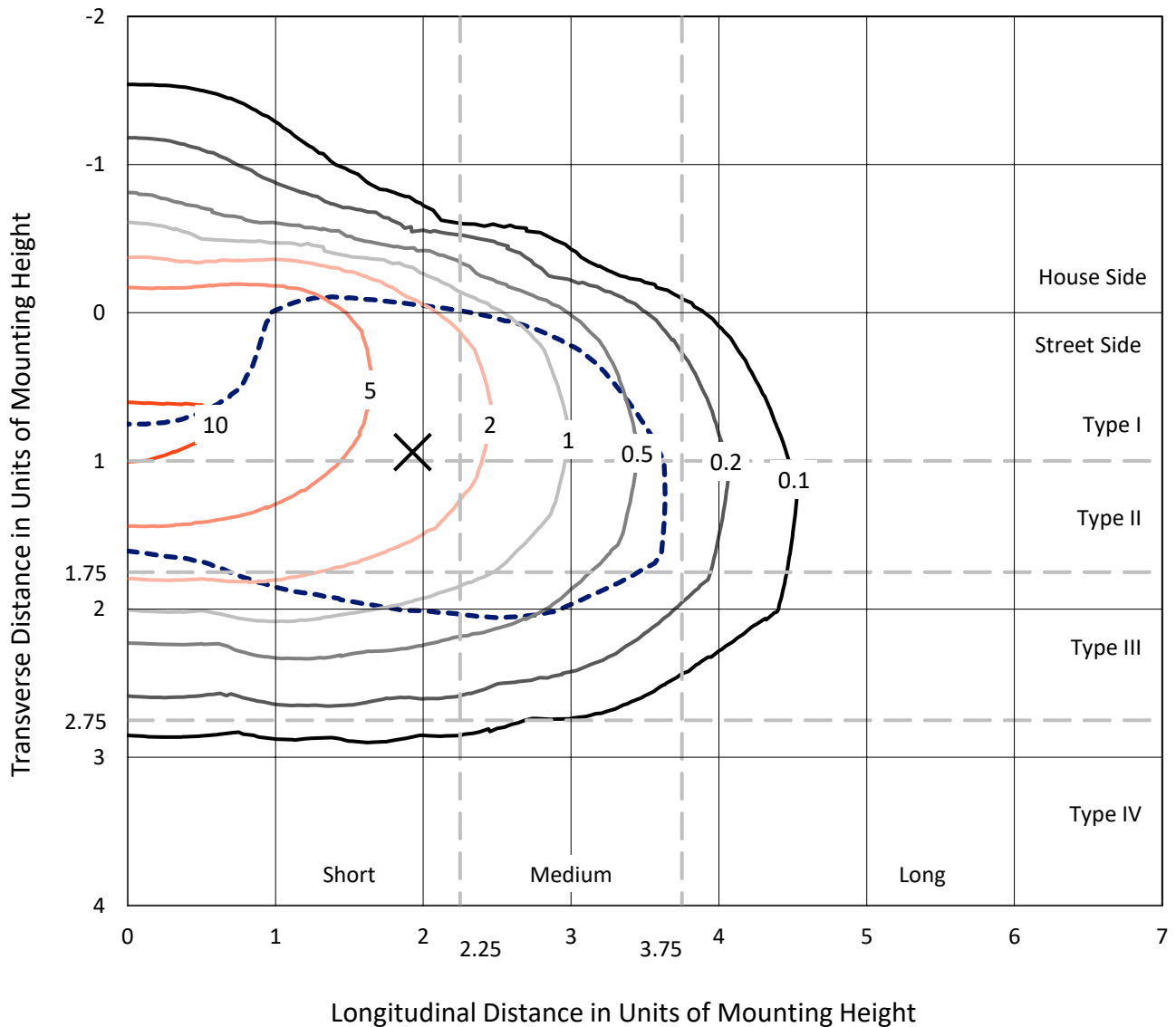
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851337
 CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

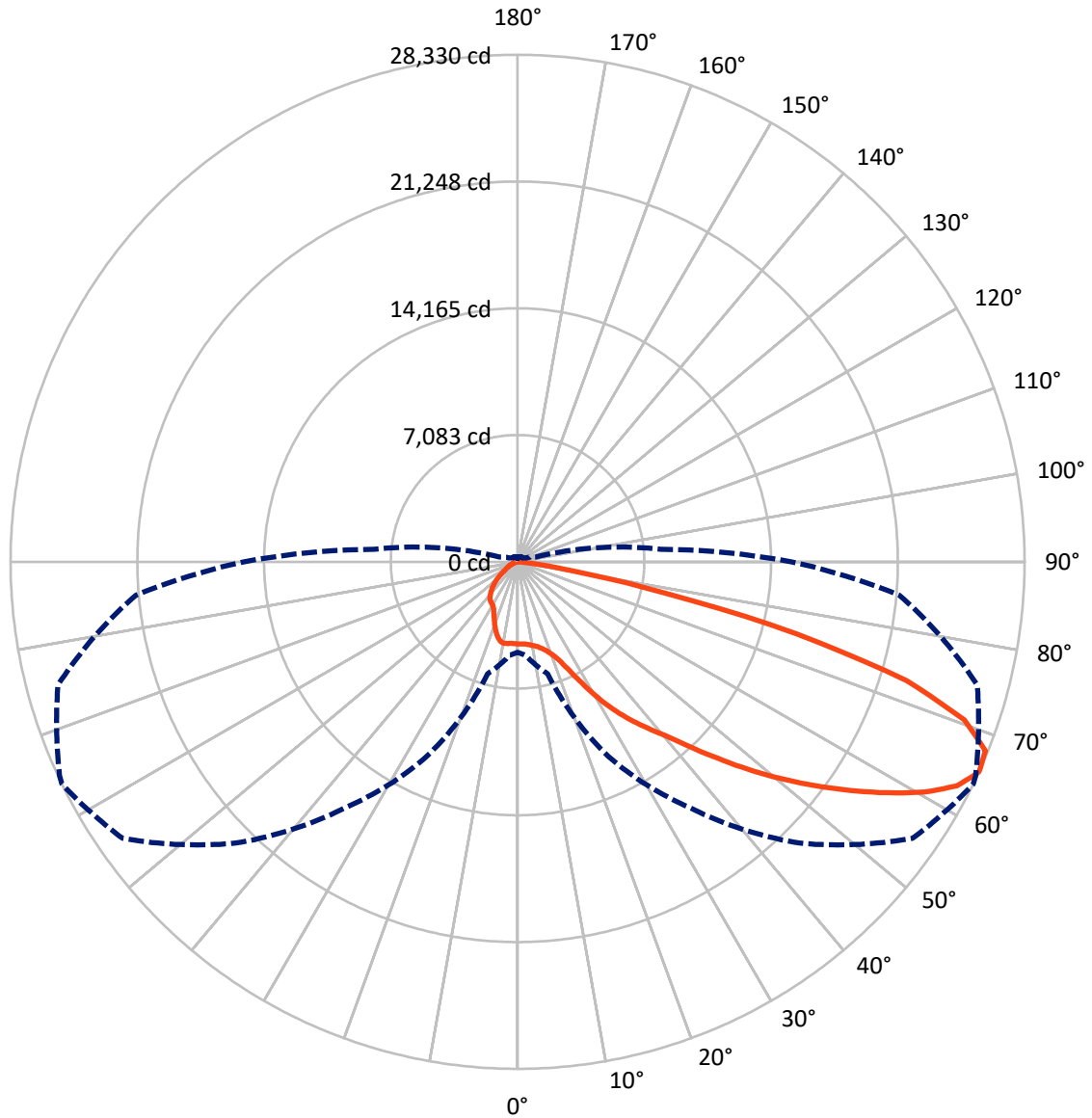
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

REPORT NUMBER: P851337
CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851337
 CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5278.7 | 0.0 | 5278.7 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 34194.3 | 0.0 | 34194.3 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 39473.0 | 0.0 | 39473.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 423.6 | 1.1 |
| 10°-20° | 1148.9 | 2.9 |
| 20°-30° | 2177.0 | 5.5 |
| 30°-40° | 4405.2 | 11.2 |
| 40°-50° | 7504.3 | 19.0 |
| 50°-60° | 10205.3 | 25.9 |
| 60°-70° | 9583.3 | 24.3 |
| 70°-80° | 3839.5 | 9.7 |
| 80°-90° | 186.0 | 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° | 39473.0 | 100.0 |
| 0°-180° | 39473.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P851337

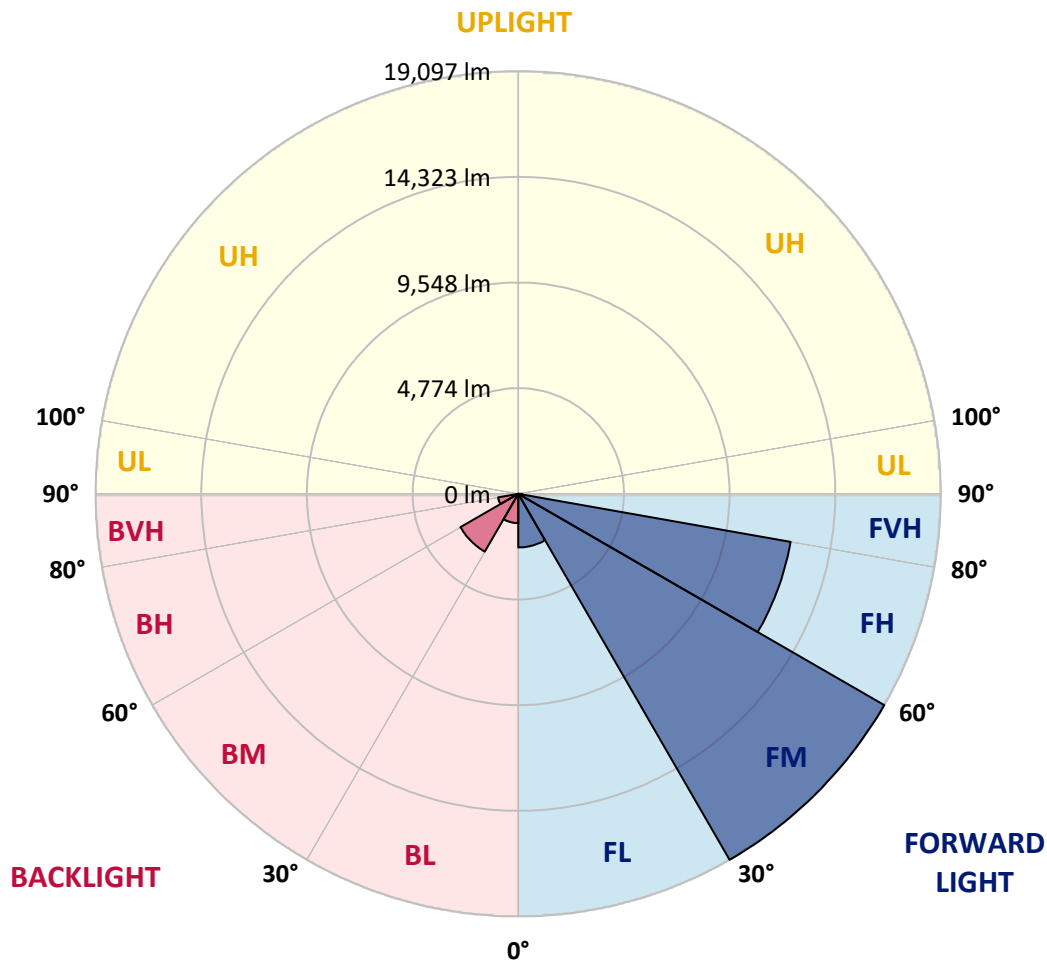
CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2424.1 | 6.1 | | | |
| FM (30°-60°) | 19097.0 | 48.4 | | | |
| FH (60°-80°) | 12496.2 | 31.7 | | | G5 |
| FVH (80°-90°) | 176.9 | 0.4 | | | G2/225 |
| BL (0°-30°) | 1325.3 | 3.4 | B3/2500 | | |
| BM (30°-60°) | 3017.8 | 7.6 | B3/5000 | | |
| BH (60°-80°) | 926.5 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 9.1 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P851337
 CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 |
| 2.5° | 4575.2 | 4607.0 | 4599.1 | 4591.1 | 4588.5 | 4593.8 | 4596.4 | 4593.8 | 4593.8 | 4593.8 |
| 5° | 4487.9 | 4514.4 | 4514.4 | 4532.9 | 4559.4 | 4591.1 | 4614.9 | 4620.2 | 4625.5 | 4633.5 |
| 7.5° | 4321.2 | 4342.4 | 4358.3 | 4419.1 | 4485.3 | 4570.0 | 4641.4 | 4678.4 | 4683.7 | 4712.8 |
| 10° | 4207.4 | 4233.9 | 4260.3 | 4323.9 | 4419.1 | 4546.1 | 4667.9 | 4757.8 | 4771.1 | 4839.9 |
| 12.5° | 4202.1 | 4228.6 | 4263.0 | 4331.8 | 4442.9 | 4577.9 | 4726.1 | 4855.7 | 4879.6 | 4980.1 |
| 15° | 4257.7 | 4289.5 | 4321.2 | 4405.9 | 4525.0 | 4689.0 | 4847.8 | 5009.2 | 5033.0 | 5175.9 |
| 17.5° | 4371.5 | 4413.8 | 4437.6 | 4522.3 | 4649.3 | 4831.9 | 5041.0 | 5226.2 | 5247.4 | 5414.1 |
| 20° | 4596.4 | 4646.7 | 4654.6 | 4723.4 | 4847.8 | 5043.6 | 5292.4 | 5522.6 | 5549.0 | 5739.6 |
| 22.5° | 5062.1 | 5133.6 | 5070.1 | 5104.5 | 5215.6 | 5411.4 | 5681.3 | 5972.4 | 6009.5 | 6226.5 |
| 25° | 5882.5 | 5983.0 | 5818.9 | 5760.7 | 5808.4 | 6012.1 | 6350.8 | 6718.6 | 6761.0 | 6935.6 |
| 27.5° | 7494.0 | 7364.3 | 7115.6 | 6872.1 | 6729.2 | 6845.7 | 7226.7 | 7681.9 | 7734.8 | 7904.1 |
| 30° | 9264.3 | 9150.5 | 8814.4 | 8274.6 | 7935.9 | 7917.4 | 8269.3 | 8777.4 | 8838.2 | 8999.7 |
| 32.5° | 11037.2 | 10928.7 | 10563.5 | 9899.4 | 9311.9 | 9020.8 | 9264.3 | 9827.9 | 9859.7 | 9962.9 |
| 35° | 12781.0 | 12669.9 | 12304.7 | 11624.7 | 10902.3 | 10240.7 | 10193.1 | 10828.2 | 10838.7 | 10947.2 |
| 37.5° | 14535.5 | 14442.8 | 14053.9 | 13387.0 | 12675.2 | 11762.3 | 11320.4 | 11775.5 | 11788.7 | 11894.6 |
| 40° | 15787.1 | 15826.8 | 15559.5 | 15043.5 | 14432.3 | 13434.6 | 12585.2 | 12783.7 | 12704.3 | 12881.6 |
| 42.5° | 16861.4 | 16940.8 | 16708.0 | 16448.6 | 16094.1 | 15215.5 | 14151.8 | 14117.4 | 13990.3 | 14085.6 |
| 45° | 17790.3 | 17856.4 | 17647.4 | 17586.5 | 17578.6 | 16962.0 | 15863.8 | 15657.4 | 15480.1 | 15461.6 |
| 47.5° | 18131.6 | 18258.6 | 18348.6 | 18552.4 | 18949.3 | 18690.0 | 17634.1 | 17313.9 | 17115.5 | 16969.9 |
| 50° | 18261.3 | 18396.2 | 18703.2 | 19295.9 | 20235.3 | 20346.5 | 19396.5 | 19036.6 | 18793.2 | 18528.5 |
| 52.5° | 18086.6 | 18327.4 | 18740.2 | 19737.8 | 21100.6 | 21674.8 | 21087.4 | 20772.5 | 20494.7 | 20063.3 |
| 55° | 17057.3 | 17298.1 | 18142.2 | 19732.6 | 21532.0 | 22606.3 | 22685.7 | 22545.4 | 22233.2 | 21553.1 |
| 57.5° | 14887.4 | 15244.6 | 16581.0 | 19060.4 | 21524.0 | 23408.1 | 24252.2 | 24352.8 | 24003.5 | 23029.7 |
| 60° | 11881.3 | 12365.6 | 13995.6 | 17570.6 | 20859.8 | 23842.1 | 25625.6 | 26128.4 | 25757.9 | 24485.1 |
| 62.5° | 8290.5 | 8851.5 | 10394.2 | 15236.7 | 19340.9 | 23529.8 | 26628.5 | 27557.3 | 27276.8 | 25787.0 |
| 65° | 5056.8 | 5236.8 | 6480.5 | 11989.8 | 16758.2 | 22222.6 | 26938.1 | 28330.0 | 28237.4 | 26583.5 |
| 67.5° | 3368.6 | 3519.4 | 3876.7 | 8221.7 | 13008.6 | 19610.8 | 26197.2 | 28195.0 | 28221.5 | 26453.8 |
| 70° | 2029.6 | 2159.3 | 2392.1 | 4781.6 | 8430.7 | 15522.5 | 23902.9 | 26475.0 | 26628.5 | 24720.6 |
| 72.5° | 836.2 | 923.5 | 1135.2 | 2167.2 | 4366.2 | 9851.7 | 19034.0 | 22730.7 | 23087.9 | 20785.7 |
| 75° | 473.7 | 518.7 | 666.8 | 1087.6 | 1894.7 | 4591.1 | 11529.4 | 16136.4 | 16663.0 | 14326.4 |
| 77.5° | 314.9 | 336.1 | 431.3 | 703.9 | 1066.4 | 1566.5 | 4927.2 | 8406.9 | 9412.5 | 7824.7 |
| 80° | 211.7 | 230.2 | 296.4 | 471.0 | 693.3 | 672.1 | 1569.2 | 3114.6 | 3831.7 | 2688.5 |
| 82.5° | 142.9 | 145.5 | 211.7 | 309.6 | 439.3 | 325.5 | 463.1 | 968.5 | 1217.2 | 778.0 |
| 85° | 82.0 | 79.4 | 156.1 | 179.9 | 195.8 | 135.0 | 140.2 | 291.1 | 381.0 | 328.1 |
| 87.5° | 10.6 | 15.9 | 60.9 | 47.6 | 26.5 | 29.1 | 29.1 | 50.3 | 74.1 | 79.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P851337
 CATALOG NUMBER: GLAN-SB9B-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4591.1 | 0° | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 | 4591.1 |
| 4596.4 | 2.5° | 4596.4 | 4593.8 | 4585.8 | 4577.9 | 4559.4 | 4548.8 | 4554.1 | 4548.8 | 4546.1 | 4548.8 |
| 4630.8 | 5° | 4630.8 | 4622.9 | 4601.7 | 4575.2 | 4538.2 | 4493.2 | 4464.1 | 4421.8 | 4382.1 | 4358.3 |
| 4723.4 | 7.5° | 4723.4 | 4715.5 | 4686.4 | 4612.3 | 4493.2 | 4305.3 | 4133.3 | 3982.5 | 3868.7 | 3802.6 |
| 4871.6 | 10° | 4871.6 | 4858.4 | 4813.4 | 4649.3 | 4337.1 | 3926.9 | 3585.6 | 3302.4 | 3117.2 | 3029.9 |
| 5046.3 | 12.5° | 5046.3 | 5030.4 | 4951.0 | 4614.9 | 4040.7 | 3400.3 | 2929.3 | 2614.4 | 2442.4 | 2365.7 |
| 5247.4 | 15° | 5252.7 | 5231.5 | 5075.4 | 4450.9 | 3609.4 | 2818.2 | 2386.9 | 2151.3 | 2040.2 | 1971.4 |
| 5504.1 | 17.5° | 5509.3 | 5472.3 | 5168.0 | 4204.8 | 3141.0 | 2373.6 | 2053.4 | 1876.1 | 1778.2 | 1712.1 |
| 5840.1 | 20° | 5842.8 | 5781.9 | 5242.1 | 3911.1 | 2709.7 | 2093.1 | 1828.5 | 1680.3 | 1606.2 | 1548.0 |
| 6316.4 | 22.5° | 6308.5 | 6221.2 | 5332.0 | 3593.5 | 2405.4 | 1900.0 | 1661.8 | 1553.3 | 1492.4 | 1426.3 |
| 6980.6 | 25° | 6885.4 | 6782.2 | 5443.2 | 3299.8 | 2196.3 | 1733.2 | 1540.1 | 1450.1 | 1378.7 | 1301.9 |
| 7851.2 | 27.5° | 7692.4 | 7507.2 | 5575.5 | 3059.0 | 2016.4 | 1590.4 | 1428.9 | 1328.4 | 1246.4 | 1182.8 |
| 8838.2 | 30° | 8592.1 | 8287.8 | 5691.9 | 2913.4 | 1852.3 | 1458.0 | 1283.4 | 1182.8 | 1106.1 | 1061.1 |
| 9724.7 | 32.5° | 9444.2 | 9031.4 | 5768.7 | 2849.9 | 1704.1 | 1307.2 | 1124.6 | 1016.1 | 957.9 | 944.7 |
| 10592.7 | 35° | 10248.6 | 9703.5 | 5760.7 | 2789.1 | 1571.8 | 1156.4 | 968.5 | 857.4 | 812.4 | 820.3 |
| 11526.8 | 37.5° | 11174.8 | 10420.7 | 5705.2 | 2693.8 | 1463.3 | 1018.8 | 833.5 | 735.6 | 695.9 | 698.6 |
| 12662.0 | 40° | 12251.8 | 11248.9 | 5670.8 | 2513.9 | 1344.3 | 891.8 | 722.4 | 643.0 | 613.9 | 603.3 |
| 13858.0 | 42.5° | 13400.2 | 12050.7 | 5676.1 | 2310.1 | 1196.1 | 778.0 | 645.7 | 579.5 | 553.1 | 545.1 |
| 15189.1 | 45° | 14554.0 | 12815.4 | 5684.0 | 2098.4 | 1039.9 | 690.7 | 590.1 | 534.5 | 518.7 | 508.1 |
| 16538.6 | 47.5° | 15638.9 | 13466.4 | 5535.8 | 1870.8 | 886.5 | 624.5 | 545.1 | 508.1 | 494.8 | 481.6 |
| 17893.5 | 50° | 16649.8 | 13900.4 | 5178.6 | 1606.2 | 764.7 | 571.6 | 510.7 | 484.3 | 471.0 | 457.8 |
| 19121.3 | 52.5° | 17435.7 | 13969.2 | 4588.5 | 1333.7 | 680.1 | 531.9 | 489.5 | 465.7 | 449.9 | 436.6 |
| 20113.6 | 55° | 17785.0 | 13537.8 | 3749.6 | 1079.6 | 613.9 | 497.5 | 468.4 | 444.6 | 426.0 | 412.8 |
| 20894.2 | 57.5° | 17695.0 | 12630.2 | 2924.0 | 867.9 | 550.4 | 463.1 | 441.9 | 426.0 | 404.9 | 383.7 |
| 21526.7 | 60° | 17253.1 | 11415.6 | 2204.3 | 722.4 | 492.2 | 426.0 | 412.8 | 399.6 | 370.5 | 338.7 |
| 21770.1 | 62.5° | 16488.3 | 9888.8 | 1571.8 | 598.0 | 428.7 | 383.7 | 378.4 | 367.8 | 325.5 | 267.3 |
| 21410.2 | 65° | 15318.7 | 8033.8 | 1058.5 | 497.5 | 367.8 | 336.1 | 338.7 | 320.2 | 264.6 | 198.5 |
| 20092.4 | 67.5° | 13609.3 | 5874.5 | 677.4 | 407.5 | 307.0 | 280.5 | 283.1 | 272.6 | 224.9 | 169.4 |
| 17594.4 | 70° | 11431.5 | 3889.9 | 441.9 | 309.6 | 246.1 | 217.0 | 232.9 | 235.5 | 190.5 | 137.6 |
| 13503.4 | 72.5° | 8380.4 | 2296.9 | 309.6 | 230.2 | 179.9 | 150.8 | 190.5 | 195.8 | 153.5 | 103.2 |
| 8123.8 | 75° | 4776.4 | 1090.2 | 232.9 | 166.7 | 111.1 | 105.8 | 148.2 | 148.2 | 105.8 | 68.8 |
| 3516.8 | 77.5° | 2005.8 | 455.1 | 164.1 | 108.5 | 63.5 | 60.9 | 100.6 | 92.6 | 52.9 | 31.8 |
| 857.4 | 80° | 579.5 | 203.8 | 87.3 | 52.9 | 26.5 | 23.8 | 39.7 | 29.1 | 13.2 | 5.3 |
| 325.5 | 82.5° | 227.6 | 90.0 | 34.4 | 21.2 | 10.6 | 10.6 | 5.3 | 0.0 | 0.0 | 0.0 |
| 185.2 | 85° | 135.0 | 37.0 | 15.9 | 7.9 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.7 | 87.5° | 34.4 | 7.9 | 5.3 | 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

| 180° |
|--------|
| 4591.1 |
| 4559.4 |
| 4363.5 |
| 3805.2 |
| 3021.9 |
| 2357.7 |
| 1974.0 |
| 1706.8 |
| 1537.4 |
| 1415.7 |
| 1294.0 |
| 1169.6 |
| 1053.2 |
| 952.6 |
| 820.3 |
| 709.2 |
| 600.7 |
| 542.5 |
| 508.1 |
| 481.6 |
| 457.8 |
| 434.0 |
| 410.2 |
| 381.0 |
| 333.4 |
| 262.0 |
| 193.2 |
| 161.4 |
| 132.3 |
| 97.9 |
| 63.5 |
| 31.8 |
| 5.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)