

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: P848967

Luminaire Tested: **GLAN-SB5D-740-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848967
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-SB5D-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 900mA 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: 42652 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

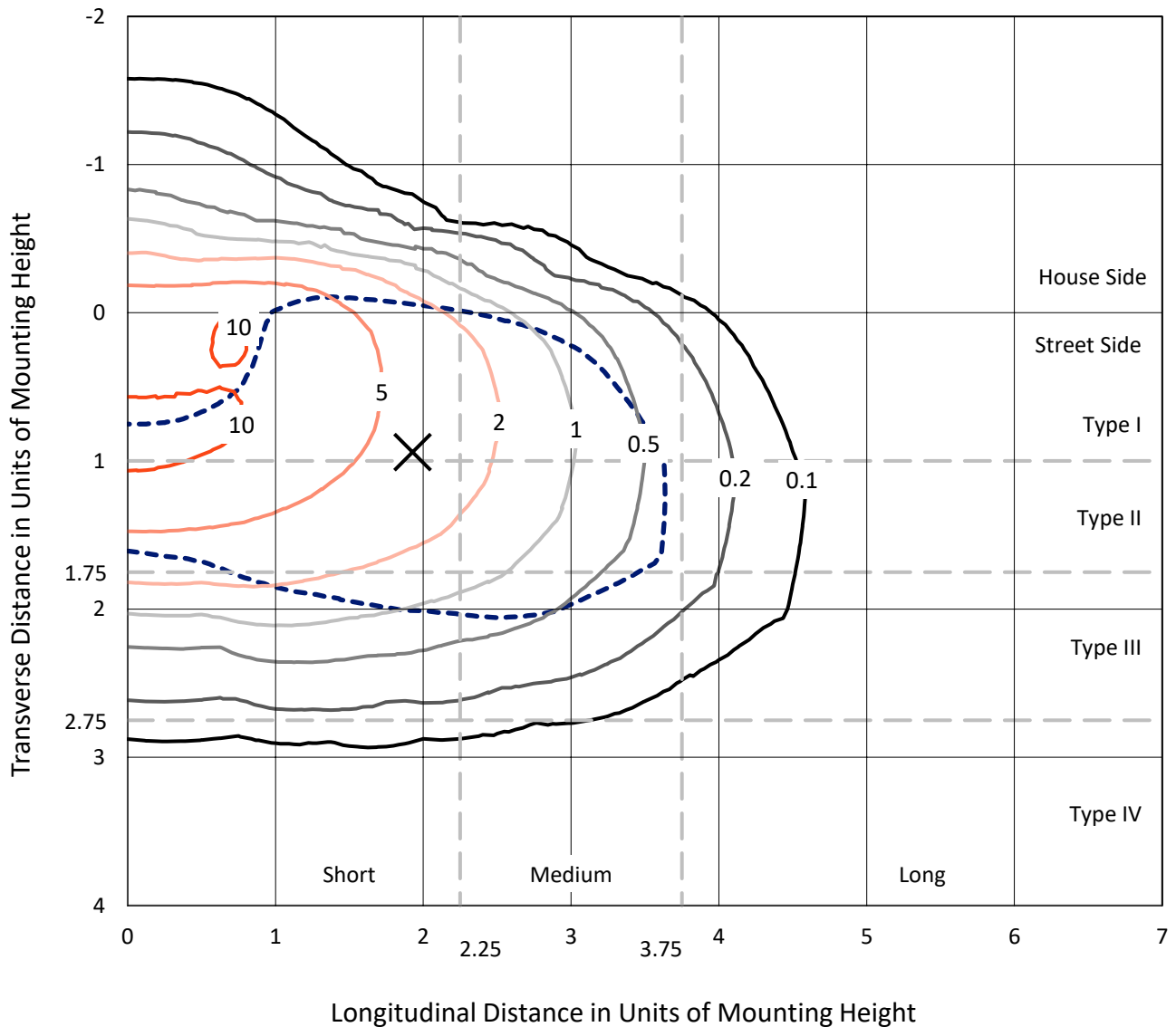
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848967
 CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

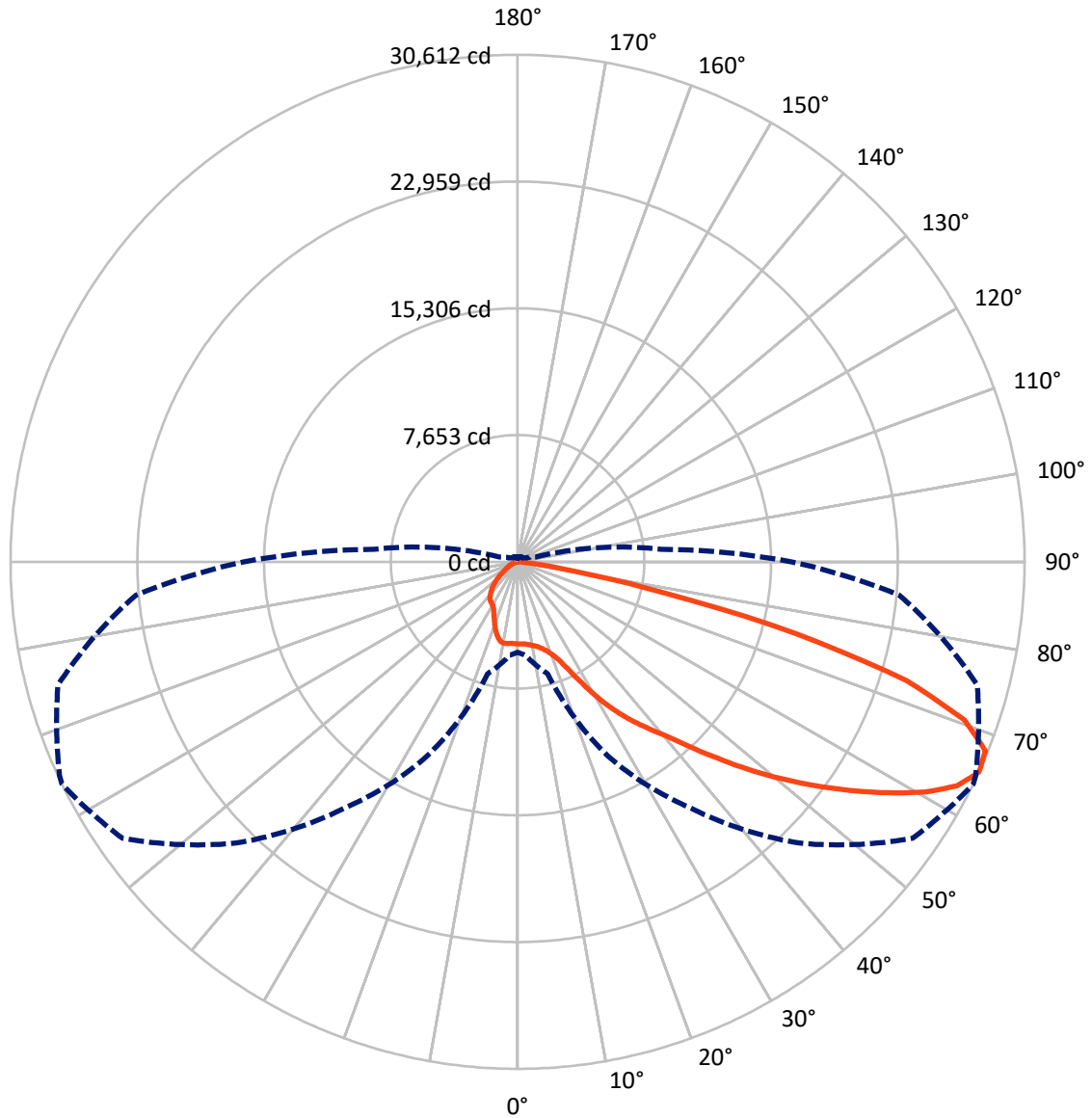
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Short - N/A

REPORT NUMBER: P848967
CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848967
 CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5703.9 | 0.0 | 5703.9 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 36948.1 | 0.0 | 36948.1 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 42652.0 | 0.0 | 42652.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 457.7 | 1.1 |
| 10°-20° | 1241.4 | 2.9 |
| 20°-30° | 2352.3 | 5.5 |
| 30°-40° | 4760.0 | 11.2 |
| 40°-50° | 8108.7 | 19.0 |
| 50°-60° | 11027.2 | 25.9 |
| 60°-70° | 10355.1 | 24.3 |
| 70°-80° | 4148.7 | 9.7 |
| 80°-90° | 201.0 | 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° | 42652.0 | 100.0 |
| 0°-180° | 42652.0 | 100.0 |

Coefficient of Utilization

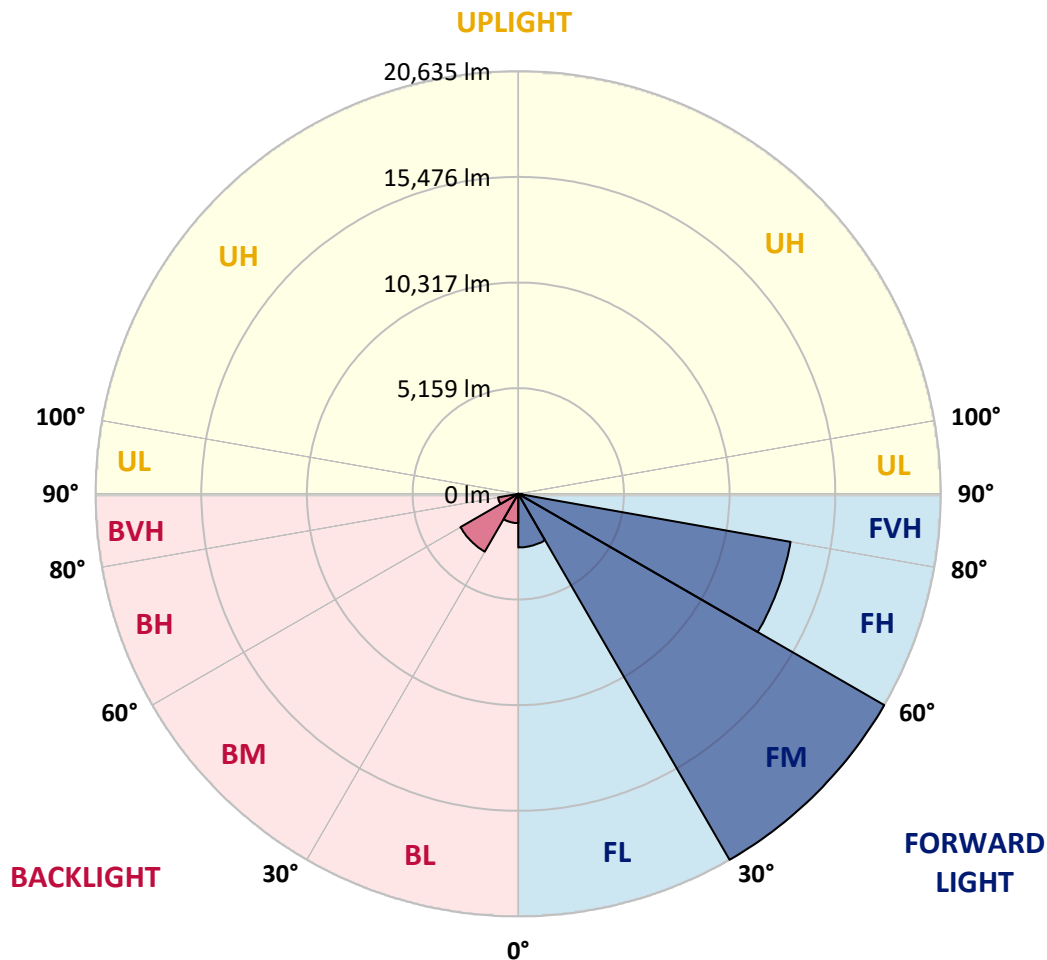


REPORT NUMBER: P848967
 CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2619.3 | 6.1 | | | |
| FM (30°-60°) | 20635.0 | 48.4 | | | |
| FH (60°-80°) | 13502.6 | 31.7 | | | G5 |
| FVH (80°-90°) | 191.2 | 0.4 | | | G2/225 |
| BL (0°-30°) | 1432.1 | 3.4 | B3/2500 | | |
| BM (30°-60°) | 3260.9 | 7.6 | B3/5000 | | |
| BH (60°-80°) | 1001.1 | 2.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 9.8 | 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: P848967
 CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 |
| 2.5° | 4943.7 | 4978.0 | 4969.4 | 4960.9 | 4958.0 | 4963.7 | 4966.6 | 4963.7 | 4963.7 | 4963.7 |
| 5° | 4849.4 | 4878.0 | 4878.0 | 4898.0 | 4926.6 | 4960.9 | 4986.6 | 4992.3 | 4998.0 | 5006.6 |
| 7.5° | 4669.2 | 4692.1 | 4709.3 | 4775.0 | 4846.5 | 4938.0 | 5015.2 | 5055.2 | 5060.9 | 5092.4 |
| 10° | 4546.3 | 4574.9 | 4603.5 | 4672.1 | 4775.0 | 4912.3 | 5043.8 | 5141.0 | 5155.3 | 5229.6 |
| 12.5° | 4540.6 | 4569.1 | 4606.3 | 4680.7 | 4800.8 | 4946.6 | 5106.7 | 5246.8 | 5272.5 | 5381.2 |
| 15° | 4600.6 | 4634.9 | 4669.2 | 4760.7 | 4889.4 | 5066.7 | 5238.2 | 5412.6 | 5438.4 | 5592.8 |
| 17.5° | 4723.5 | 4769.3 | 4795.0 | 4886.5 | 5023.8 | 5221.1 | 5447.0 | 5647.1 | 5670.0 | 5850.1 |
| 20° | 4966.6 | 5020.9 | 5029.5 | 5103.8 | 5238.2 | 5449.8 | 5718.6 | 5967.3 | 5995.9 | 6201.8 |
| 22.5° | 5469.8 | 5547.0 | 5478.4 | 5515.6 | 5635.7 | 5847.3 | 6138.9 | 6453.4 | 6493.5 | 6727.9 |
| 25° | 6356.2 | 6464.9 | 6287.6 | 6224.7 | 6276.1 | 6496.3 | 6862.3 | 7259.7 | 7305.5 | 7494.2 |
| 27.5° | 8097.5 | 7957.4 | 7688.6 | 7425.6 | 7271.2 | 7397.0 | 7808.7 | 8300.5 | 8357.7 | 8540.7 |
| 30° | 10010.4 | 9887.4 | 9524.3 | 8941.0 | 8575.0 | 8555.0 | 8935.3 | 9484.3 | 9550.0 | 9724.4 |
| 32.5° | 11926.1 | 11808.9 | 11414.3 | 10696.6 | 10061.8 | 9747.3 | 10010.4 | 10619.4 | 10653.7 | 10765.2 |
| 35° | 13810.4 | 13690.3 | 13295.7 | 12560.9 | 11780.3 | 11065.5 | 11014.0 | 11700.2 | 11711.7 | 11828.9 |
| 37.5° | 15706.1 | 15606.0 | 15185.7 | 14465.2 | 13696.0 | 12709.6 | 12232.0 | 12723.8 | 12738.1 | 12852.5 |
| 40° | 17058.5 | 17101.4 | 16812.6 | 16255.1 | 15594.6 | 14516.6 | 13598.8 | 13813.2 | 13727.5 | 13919.0 |
| 42.5° | 18219.4 | 18305.2 | 18053.6 | 17773.4 | 17390.2 | 16440.9 | 15291.5 | 15254.3 | 15117.1 | 15220.0 |
| 45° | 19223.0 | 19294.5 | 19068.6 | 19002.9 | 18994.3 | 18328.1 | 17141.5 | 16918.4 | 16726.9 | 16706.8 |
| 47.5° | 19591.9 | 19729.1 | 19826.3 | 20046.5 | 20475.4 | 20195.2 | 19054.3 | 18708.3 | 18493.9 | 18336.6 |
| 50° | 19732.0 | 19877.8 | 20209.5 | 20850.0 | 21865.0 | 21985.1 | 20958.6 | 20569.7 | 20306.7 | 20020.8 |
| 52.5° | 19543.3 | 19803.5 | 20249.5 | 21327.5 | 22800.0 | 23420.5 | 22785.7 | 22445.4 | 22145.2 | 21679.1 |
| 55° | 18431.0 | 18691.2 | 19603.3 | 21321.7 | 23266.1 | 24426.9 | 24512.7 | 24361.2 | 24023.8 | 23288.9 |
| 57.5° | 16086.4 | 16472.4 | 17916.3 | 20595.5 | 23257.5 | 25293.3 | 26205.4 | 26314.1 | 25936.6 | 24884.4 |
| 60° | 12838.2 | 13361.5 | 15122.8 | 18985.7 | 22539.8 | 25762.2 | 27689.4 | 28232.6 | 27832.3 | 26457.0 |
| 62.5° | 8958.2 | 9564.3 | 11231.3 | 16463.8 | 20898.6 | 25424.8 | 28773.0 | 29776.7 | 29473.6 | 27863.8 |
| 65° | 5464.1 | 5658.5 | 7002.4 | 12955.4 | 18107.9 | 24012.3 | 29107.6 | 30611.6 | 30511.5 | 28724.4 |
| 67.5° | 3639.9 | 3802.9 | 4188.9 | 8883.8 | 14056.3 | 21190.2 | 28307.0 | 30465.7 | 30494.3 | 28584.3 |
| 70° | 2193.1 | 2333.2 | 2584.8 | 5166.7 | 9109.7 | 16772.6 | 25828.0 | 28607.2 | 28773.0 | 26711.5 |
| 72.5° | 903.5 | 997.9 | 1226.6 | 2341.8 | 4717.8 | 10645.1 | 20566.9 | 24561.3 | 24947.3 | 22459.7 |
| 75° | 511.8 | 560.4 | 720.5 | 1175.2 | 2047.3 | 4960.9 | 12457.9 | 17436.0 | 18005.0 | 15480.2 |
| 77.5° | 340.3 | 363.1 | 466.1 | 760.6 | 1152.3 | 1692.7 | 5324.0 | 9084.0 | 10170.5 | 8454.9 |
| 80° | 228.7 | 248.8 | 320.2 | 509.0 | 749.1 | 726.3 | 1695.6 | 3365.4 | 4140.3 | 2905.0 |
| 82.5° | 154.4 | 157.3 | 228.7 | 334.5 | 474.6 | 351.7 | 500.4 | 1046.5 | 1315.3 | 840.6 |
| 85° | 88.6 | 85.8 | 168.7 | 194.4 | 211.6 | 145.8 | 151.5 | 314.5 | 411.7 | 354.6 |
| 87.5° | 11.4 | 17.2 | 65.8 | 51.5 | 28.6 | 31.5 | 31.5 | 54.3 | 80.1 | 85.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P848967
 CATALOG NUMBER: GLAN-SB5D-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4960.9 | 0° | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 | 4960.9 |
| 4966.6 | 2.5° | 4966.6 | 4963.7 | 4955.2 | 4946.6 | 4926.6 | 4915.1 | 4920.8 | 4915.1 | 4912.3 | 4915.1 |
| 5003.8 | 5° | 5003.8 | 4995.2 | 4972.3 | 4943.7 | 4903.7 | 4855.1 | 4823.6 | 4777.9 | 4735.0 | 4709.3 |
| 5103.8 | 7.5° | 5103.8 | 5095.3 | 5063.8 | 4983.7 | 4855.1 | 4652.1 | 4466.2 | 4303.2 | 4180.3 | 4108.8 |
| 5264.0 | 10° | 5264.0 | 5249.7 | 5201.1 | 5023.8 | 4686.4 | 4243.2 | 3874.3 | 3568.4 | 3368.2 | 3273.9 |
| 5452.7 | 12.5° | 5452.7 | 5435.5 | 5349.7 | 4986.6 | 4366.1 | 3674.2 | 3165.2 | 2825.0 | 2639.1 | 2556.2 |
| 5670.0 | 15° | 5675.7 | 5652.8 | 5484.1 | 4809.3 | 3900.1 | 3045.1 | 2579.1 | 2324.6 | 2204.5 | 2130.2 |
| 5947.3 | 17.5° | 5953.0 | 5913.0 | 5584.2 | 4543.4 | 3394.0 | 2564.8 | 2218.8 | 2027.2 | 1921.4 | 1850.0 |
| 6310.5 | 20° | 6313.3 | 6247.6 | 5664.3 | 4226.0 | 2927.9 | 2261.7 | 1975.8 | 1815.7 | 1735.6 | 1672.7 |
| 6825.1 | 22.5° | 6816.6 | 6722.2 | 5761.5 | 3882.9 | 2599.1 | 2053.0 | 1795.6 | 1678.4 | 1612.6 | 1541.2 |
| 7542.8 | 25° | 7439.9 | 7328.4 | 5881.6 | 3565.5 | 2373.2 | 1872.8 | 1664.1 | 1566.9 | 1489.7 | 1406.8 |
| 8483.5 | 27.5° | 8312.0 | 8111.8 | 6024.5 | 3305.3 | 2178.8 | 1718.4 | 1544.0 | 1435.4 | 1346.7 | 1278.1 |
| 9550.0 | 30° | 9284.1 | 8955.3 | 6150.3 | 3148.1 | 2001.5 | 1575.5 | 1386.8 | 1278.1 | 1195.2 | 1146.6 |
| 10507.9 | 32.5° | 10204.8 | 9758.8 | 6233.3 | 3079.5 | 1841.4 | 1412.5 | 1215.2 | 1098.0 | 1035.1 | 1020.8 |
| 11445.7 | 35° | 11074.0 | 10485.0 | 6224.7 | 3013.7 | 1698.4 | 1249.5 | 1046.5 | 926.4 | 877.8 | 886.4 |
| 12455.1 | 37.5° | 12074.8 | 11259.9 | 6164.6 | 2910.8 | 1581.2 | 1100.8 | 900.7 | 794.9 | 752.0 | 754.9 |
| 13681.7 | 40° | 13238.5 | 12154.8 | 6127.5 | 2716.3 | 1452.5 | 963.6 | 780.6 | 694.8 | 663.4 | 651.9 |
| 14974.1 | 42.5° | 14479.5 | 13021.2 | 6133.2 | 2496.2 | 1292.4 | 840.6 | 697.7 | 626.2 | 597.6 | 589.0 |
| 16412.3 | 45° | 15726.1 | 13847.5 | 6141.8 | 2267.4 | 1123.7 | 746.3 | 637.6 | 577.6 | 560.4 | 549.0 |
| 17870.6 | 47.5° | 16898.4 | 14550.9 | 5981.6 | 2021.5 | 957.9 | 674.8 | 589.0 | 549.0 | 534.7 | 520.4 |
| 19334.5 | 50° | 17990.7 | 15019.9 | 5595.6 | 1735.6 | 826.3 | 617.6 | 551.8 | 523.3 | 509.0 | 494.7 |
| 20661.2 | 52.5° | 18839.9 | 15094.2 | 4958.0 | 1441.1 | 734.8 | 574.7 | 529.0 | 503.2 | 486.1 | 471.8 |
| 21733.5 | 55° | 19217.3 | 14628.1 | 4051.6 | 1166.6 | 663.4 | 537.5 | 506.1 | 480.4 | 460.3 | 446.0 |
| 22577.0 | 57.5° | 19120.1 | 13647.4 | 3159.5 | 937.8 | 594.7 | 500.4 | 477.5 | 460.3 | 437.5 | 414.6 |
| 23260.3 | 60° | 18642.6 | 12335.0 | 2381.8 | 780.6 | 531.8 | 460.3 | 446.0 | 431.8 | 400.3 | 366.0 |
| 23523.4 | 62.5° | 17816.2 | 10685.2 | 1698.4 | 646.2 | 463.2 | 414.6 | 408.9 | 397.4 | 351.7 | 288.8 |
| 23134.5 | 65° | 16552.4 | 8680.8 | 1143.7 | 537.5 | 397.4 | 363.1 | 366.0 | 346.0 | 285.9 | 214.4 |
| 21710.6 | 67.5° | 14705.3 | 6347.6 | 732.0 | 440.3 | 331.7 | 303.1 | 305.9 | 294.5 | 243.0 | 183.0 |
| 19011.4 | 70° | 12352.1 | 4203.2 | 477.5 | 334.5 | 265.9 | 234.5 | 251.6 | 254.5 | 205.9 | 148.7 |
| 14591.0 | 72.5° | 9055.4 | 2481.9 | 334.5 | 248.8 | 194.4 | 163.0 | 205.9 | 211.6 | 165.8 | 111.5 |
| 8778.0 | 75° | 5161.0 | 1178.0 | 251.6 | 180.1 | 120.1 | 114.4 | 160.1 | 160.1 | 114.4 | 74.3 |
| 3800.0 | 77.5° | 2167.3 | 491.8 | 177.3 | 117.2 | 68.6 | 65.8 | 108.7 | 100.1 | 57.2 | 34.3 |
| 926.4 | 80° | 626.2 | 220.2 | 94.4 | 57.2 | 28.6 | 25.7 | 42.9 | 31.5 | 14.3 | 5.7 |
| 351.7 | 82.5° | 245.9 | 97.2 | 37.2 | 22.9 | 11.4 | 11.4 | 5.7 | 0.0 | 0.0 | 0.0 |
| 200.2 | 85° | 145.8 | 40.0 | 17.2 | 8.6 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.9 | 87.5° | 37.2 | 8.6 | 5.7 | 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/> |
| 4960.9 |
| 4926.6 |
| 4715.0 |
| 4111.7 |
| 3265.3 |
| 2547.6 |
| 2133.0 |
| 1844.2 |
| 1661.2 |
| 1529.7 |
| 1398.2 |
| 1263.8 |
| 1138.0 |
| 1029.3 |
| 886.4 |
| 766.3 |
| 649.1 |
| 586.2 |
| 549.0 |
| 520.4 |
| 494.7 |
| 468.9 |
| 443.2 |
| 411.7 |
| 360.3 |
| 283.1 |
| 208.7 |
| 174.4 |
| 143.0 |
| 105.8 |
| 68.6 |
| 34.3 |
| 5.7 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)