

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: P852669

Luminaire Tested: **GLAN-SB5C-740-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-740-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

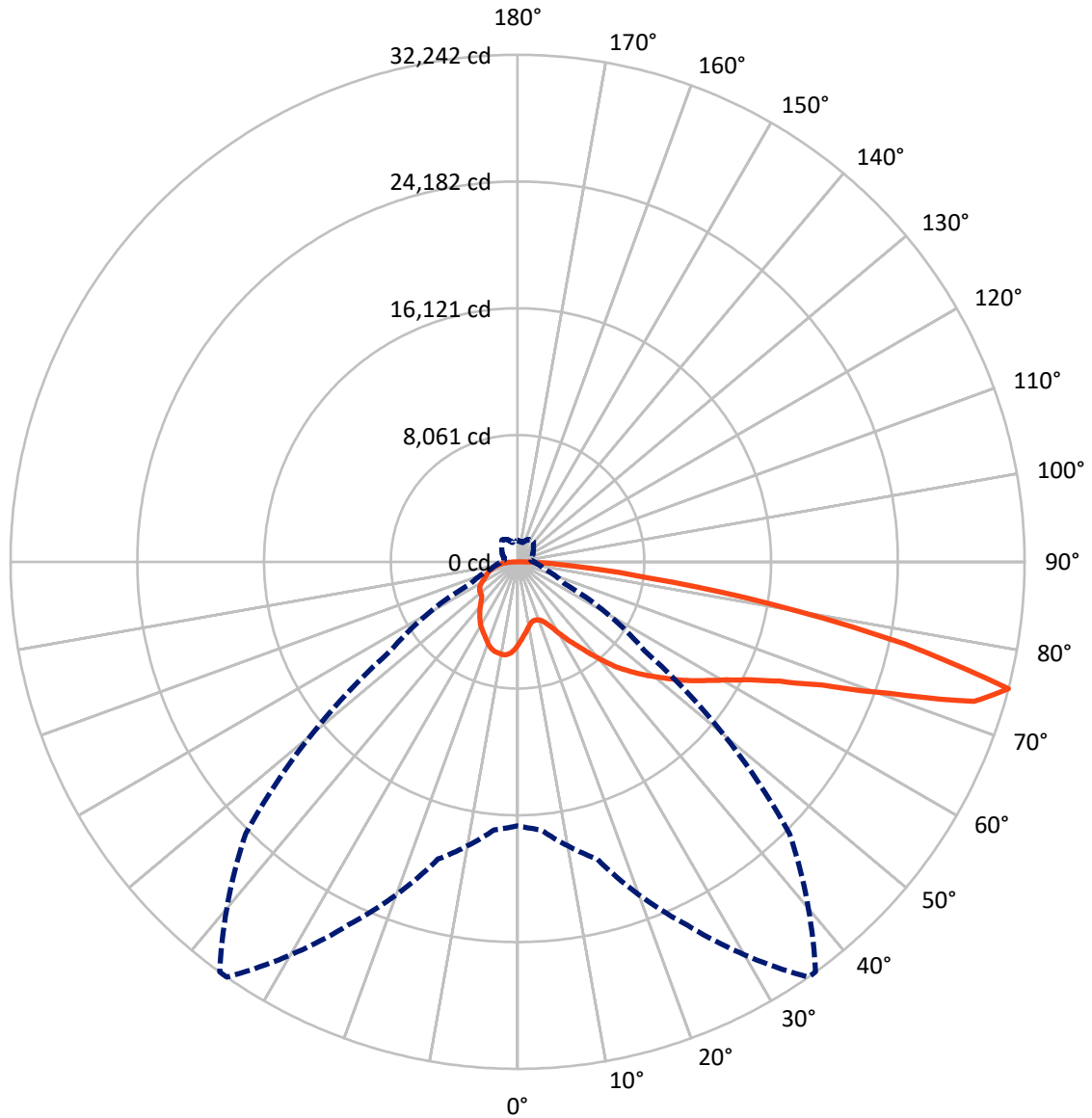
Lumens per Lamp: N/A
Luminaire Lumens: 39558 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 249.5
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: P852669
CATALOG NUMBER: GLAN-SB5C-740-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852669
 CATALOG NUMBER: GLAN-SB5C-740-U-T4FT

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9413.8 | 0.0 | 9413.8 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 30144.2 | 0.0 | 30144.2 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 39558.0 | 0.0 | 39558.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 499.1 | 1.3 |
| 10°-20° | 1439.6 | 3.6 |
| 20°-30° | 2417.5 | 6.1 |
| 30°-40° | 3757.1 | 9.5 |
| 40°-50° | 5576.5 | 14.1 |
| 50°-60° | 7698.7 | 19.5 |
| 60°-70° | 9340.3 | 23.6 |
| 70°-80° | 7719.0 | 19.5 |
| 80°-90° | 1110.2 | 2.8 |
| 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° | 39558.0 | 100.0 |
| 0°-180° | 39558.0 | 100.0 |

Coefficient of Utilization



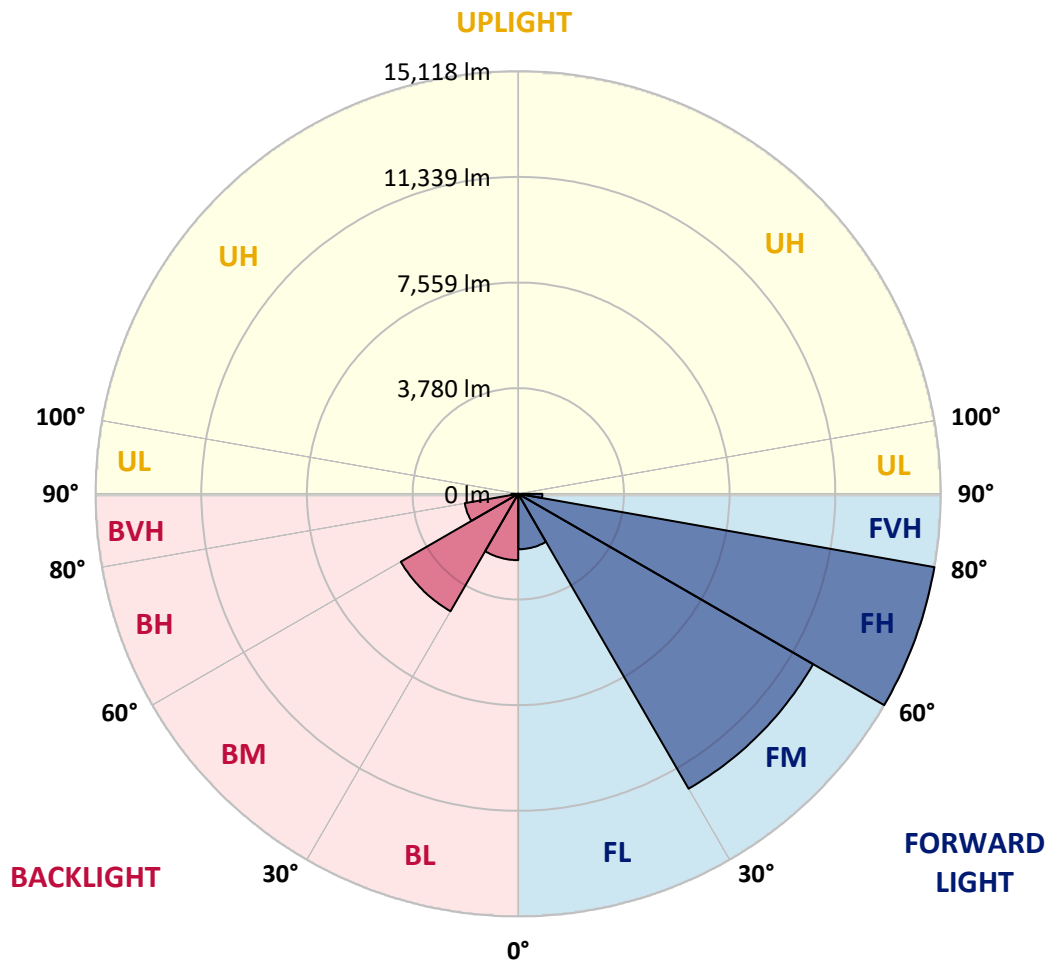
REPORT NUMBER: P852669
 CATALOG NUMBER: GLAN-SB5C-740-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1983.8 | 5.0 | | | |
| FM (30°-60°) | 12181.7 | 30.8 | | | |
| FH (60°-80°) | 15118.5 | 38.2 | | | G5 |
| FVH (80°-90°) | 860.2 | 2.2 | | | G5 |
| BL (0°-30°) | 2372.4 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 4850.6 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 1940.8 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 250.0 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P852669
 CATALOG NUMBER: GLAN-SB5C-740-U-T4FT

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 |
| 2.5° | 4860.8 | 4890.7 | 4903.6 | 4897.1 | 4929.2 | 4924.9 | 4969.8 | 5025.4 | 5102.4 | 5177.3 |
| 5° | 4486.5 | 4518.6 | 4546.4 | 4572.1 | 4634.1 | 4653.3 | 4723.9 | 4830.8 | 4972.0 | 5115.3 |
| 7.5° | 4138.0 | 4165.8 | 4208.5 | 4255.6 | 4360.4 | 4379.6 | 4497.2 | 4664.0 | 4860.8 | 5070.4 |
| 10° | 3853.6 | 3881.4 | 3926.3 | 3979.7 | 4110.2 | 4133.7 | 4283.4 | 4505.8 | 4762.4 | 5027.6 |
| 12.5° | 3731.7 | 3740.2 | 3765.9 | 3819.3 | 3932.7 | 3947.6 | 4112.3 | 4366.8 | 4666.2 | 4995.5 |
| 15° | 3725.2 | 3742.4 | 3744.5 | 3772.3 | 3866.4 | 3872.8 | 4024.6 | 4277.0 | 4606.3 | 4989.1 |
| 17.5° | 3789.4 | 3802.2 | 3783.0 | 3800.1 | 3879.2 | 3889.9 | 4009.7 | 4234.2 | 4587.1 | 5016.9 |
| 20° | 3960.5 | 3971.2 | 3913.4 | 3889.9 | 3947.6 | 3956.2 | 4073.8 | 4262.0 | 4606.3 | 5074.6 |
| 22.5° | 4324.0 | 4330.4 | 4189.3 | 4093.1 | 4097.3 | 4101.6 | 4204.3 | 4375.3 | 4681.1 | 5179.4 |
| 25° | 4890.7 | 4886.4 | 4661.9 | 4475.9 | 4368.9 | 4345.4 | 4413.8 | 4559.3 | 4807.3 | 5318.4 |
| 27.5° | 5553.7 | 5521.6 | 5297.0 | 5019.0 | 4785.9 | 4751.7 | 4736.7 | 4798.8 | 4987.0 | 5502.3 |
| 30° | 6302.1 | 6272.2 | 6030.5 | 5667.0 | 5344.1 | 5288.5 | 5147.3 | 5115.3 | 5254.3 | 5752.5 |
| 32.5° | 7123.3 | 7104.1 | 6815.4 | 6374.8 | 5942.9 | 5878.7 | 5641.3 | 5555.8 | 5664.9 | 6131.0 |
| 35° | 7811.9 | 7794.8 | 7555.3 | 7101.9 | 6573.7 | 6494.6 | 6252.9 | 6156.7 | 6212.3 | 6616.5 |
| 37.5° | 8434.2 | 8425.6 | 8220.3 | 7863.2 | 7317.9 | 7221.7 | 6950.1 | 6918.0 | 6907.3 | 7255.9 |
| 40° | 9011.6 | 8990.2 | 8776.4 | 8588.2 | 8184.0 | 8096.3 | 7856.8 | 7829.0 | 7747.7 | 8042.9 |
| 42.5° | 9651.0 | 9595.4 | 9285.3 | 9197.6 | 9088.6 | 9015.9 | 8872.6 | 8876.9 | 8697.2 | 8930.3 |
| 45° | 10172.8 | 10140.7 | 9822.1 | 9770.7 | 9888.4 | 9858.4 | 9982.5 | 10014.5 | 9666.0 | 9860.6 |
| 47.5° | 10733.1 | 10703.1 | 10433.7 | 10397.3 | 10716.0 | 10724.5 | 11162.9 | 11173.6 | 10611.2 | 10827.2 |
| 50° | 11423.8 | 11381.0 | 11113.7 | 11158.6 | 11515.8 | 11547.8 | 12349.8 | 12277.1 | 11481.5 | 11808.7 |
| 52.5° | 11879.3 | 11905.0 | 11847.2 | 11919.9 | 12407.5 | 12437.4 | 13517.4 | 13331.3 | 12343.3 | 12777.5 |
| 55° | 12215.0 | 12266.4 | 12446.0 | 12612.8 | 13348.4 | 13378.4 | 14618.7 | 14334.3 | 13057.6 | 13675.6 |
| 57.5° | 12647.0 | 12574.3 | 12910.0 | 13235.1 | 14242.3 | 14321.4 | 15690.1 | 15300.9 | 13690.6 | 14449.8 |
| 60° | 13267.2 | 13215.9 | 13476.7 | 13957.9 | 15243.1 | 15369.3 | 16823.5 | 16171.2 | 14154.6 | 15063.5 |
| 62.5° | 14524.6 | 14396.3 | 14436.9 | 14862.5 | 16504.8 | 16671.6 | 18102.3 | 16930.4 | 14385.6 | 15303.0 |
| 65° | 16404.3 | 16184.1 | 15978.8 | 16273.9 | 18281.9 | 18446.6 | 19545.8 | 17527.0 | 14300.1 | 14839.0 |
| 67.5° | 18771.6 | 18553.5 | 18301.2 | 18579.2 | 20899.4 | 21029.9 | 21327.1 | 17862.8 | 13626.4 | 13051.2 |
| 70° | 20724.1 | 20642.8 | 20944.3 | 22088.4 | 25080.2 | 25084.5 | 23611.0 | 17584.8 | 11780.9 | 9253.2 |
| 72.5° | 20465.3 | 20416.1 | 22005.0 | 25542.1 | 30349.4 | 30236.1 | 25773.0 | 15480.5 | 7935.9 | 4174.3 |
| 75° | 16789.3 | 17107.9 | 19569.3 | 25480.1 | 32242.0 | 32227.0 | 24449.3 | 9841.3 | 3282.6 | 1730.0 |
| 77.5° | 9003.0 | 9507.7 | 12704.8 | 18812.3 | 25170.0 | 25548.5 | 17189.2 | 3443.0 | 1409.3 | 1107.7 |
| 80° | 2936.1 | 3376.7 | 5063.9 | 9578.3 | 16355.2 | 16284.6 | 7367.1 | 1351.5 | 964.5 | 784.8 |
| 82.5° | 1246.7 | 1298.1 | 2262.5 | 4522.9 | 8393.6 | 8263.1 | 2345.9 | 776.3 | 677.9 | 536.8 |
| 85° | 487.6 | 545.3 | 998.7 | 2091.4 | 3635.4 | 3556.3 | 846.8 | 384.9 | 434.1 | 350.7 |
| 87.5° | 160.4 | 194.6 | 357.1 | 716.4 | 1131.3 | 1090.6 | 207.4 | 132.6 | 188.2 | 160.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P852669
 CATALOG NUMBER: GLAN-SB5C-740-U-T4FT

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5271.4 | 0° | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 | 5271.4 |
| 5286.3 | 2.5° | 5316.3 | 5350.5 | 5391.1 | 5451.0 | 5502.3 | 5545.1 | 5590.0 | 5617.8 | 5628.5 | 5660.6 |
| 5294.9 | 5° | 5354.8 | 5429.6 | 5530.1 | 5628.5 | 5724.7 | 5782.5 | 5833.8 | 5859.5 | 5883.0 | 5900.1 |
| 5318.4 | 7.5° | 5418.9 | 5515.2 | 5673.4 | 5801.7 | 5883.0 | 5930.0 | 5964.2 | 5955.7 | 5964.2 | 5968.5 |
| 5344.1 | 10° | 5474.5 | 5609.3 | 5797.4 | 5919.3 | 5981.3 | 5983.5 | 5974.9 | 5945.0 | 5930.0 | 5932.2 |
| 5382.6 | 12.5° | 5540.8 | 5690.5 | 5893.7 | 5996.3 | 6013.4 | 5966.4 | 5930.0 | 5878.7 | 5859.5 | 5850.9 |
| 5440.3 | 15° | 5630.6 | 5801.7 | 5998.5 | 6036.9 | 5994.2 | 5934.3 | 5872.3 | 5788.9 | 5746.1 | 5711.9 |
| 5538.7 | 17.5° | 5739.7 | 5927.9 | 6079.7 | 6051.9 | 5960.0 | 5861.6 | 5761.1 | 5634.9 | 5547.2 | 5510.9 |
| 5673.4 | 20° | 5891.5 | 6060.5 | 6141.7 | 6019.8 | 5880.8 | 5731.1 | 5560.1 | 5406.1 | 5324.8 | 5288.5 |
| 5844.5 | 22.5° | 6075.4 | 6238.0 | 6201.6 | 5964.2 | 5767.5 | 5528.0 | 5314.1 | 5200.8 | 5160.2 | 5134.5 |
| 6064.7 | 25° | 6295.7 | 6434.7 | 6244.4 | 5883.0 | 5581.5 | 5258.5 | 5093.9 | 5057.5 | 5038.3 | 5019.0 |
| 6334.2 | 27.5° | 6582.3 | 6657.1 | 6276.5 | 5763.2 | 5290.6 | 4972.0 | 4912.1 | 4918.5 | 4912.1 | 4880.0 |
| 6708.4 | 30° | 6960.8 | 6945.8 | 6306.4 | 5568.6 | 4957.0 | 4713.2 | 4717.5 | 4745.3 | 4749.6 | 4728.2 |
| 7230.2 | 32.5° | 7459.0 | 7307.2 | 6321.4 | 5316.3 | 4638.4 | 4486.5 | 4490.8 | 4520.8 | 4542.1 | 4505.8 |
| 7912.4 | 35° | 8062.1 | 7728.5 | 6297.8 | 4999.8 | 4392.5 | 4270.6 | 4238.5 | 4247.0 | 4253.5 | 4219.2 |
| 8740.0 | 37.5° | 8765.7 | 8201.1 | 6193.1 | 4649.1 | 4189.3 | 4058.8 | 3990.4 | 3932.7 | 3898.5 | 3866.4 |
| 9676.7 | 40° | 9537.7 | 8716.5 | 6000.6 | 4306.9 | 3962.6 | 3834.3 | 3731.7 | 3622.6 | 3507.1 | 3464.3 |
| 10668.9 | 42.5° | 10346.0 | 9246.8 | 5767.5 | 3979.7 | 3701.7 | 3596.9 | 3487.9 | 3329.6 | 3156.4 | 3068.7 |
| 11699.7 | 45° | 11184.3 | 9790.0 | 5538.7 | 3656.8 | 3434.4 | 3389.5 | 3263.3 | 3073.0 | 2884.8 | 2773.6 |
| 12732.6 | 47.5° | 12005.5 | 10303.2 | 5202.9 | 3331.8 | 3184.2 | 3233.4 | 3135.0 | 2959.7 | 2750.1 | 2574.7 |
| 13756.9 | 50° | 12790.3 | 10784.4 | 4653.3 | 3002.4 | 2981.1 | 3186.3 | 3092.3 | 2839.9 | 2600.4 | 2375.9 |
| 14762.0 | 52.5° | 13568.7 | 11173.6 | 3949.8 | 2703.0 | 2872.0 | 3173.5 | 3036.7 | 2758.6 | 2465.7 | 2230.4 |
| 15707.2 | 55° | 14229.5 | 11374.6 | 3271.9 | 2446.4 | 2713.7 | 3064.5 | 2970.4 | 2662.4 | 2275.4 | 2025.1 |
| 16355.2 | 57.5° | 14605.9 | 11212.1 | 2707.3 | 2194.1 | 2495.6 | 2884.8 | 2857.0 | 2457.1 | 2048.7 | 1856.2 |
| 16481.3 | 60° | 14443.3 | 10553.4 | 2245.4 | 1973.8 | 2288.2 | 2690.2 | 2660.3 | 2254.0 | 1875.5 | 1693.7 |
| 15805.6 | 62.5° | 13547.3 | 9298.1 | 1879.7 | 1781.4 | 2100.0 | 2491.3 | 2463.5 | 2097.9 | 1742.9 | 1567.5 |
| 14011.4 | 65° | 11742.4 | 7563.8 | 1595.3 | 1621.0 | 1909.7 | 2251.8 | 2292.5 | 1967.4 | 1638.1 | 1467.0 |
| 10840.0 | 67.5° | 8956.0 | 5478.8 | 1372.9 | 1482.0 | 1723.6 | 2016.6 | 2134.2 | 1873.3 | 1550.4 | 1387.9 |
| 6272.2 | 70° | 5104.6 | 3111.5 | 1184.7 | 1347.2 | 1559.0 | 1798.5 | 2012.3 | 1798.5 | 1456.3 | 1321.6 |
| 2350.2 | 72.5° | 1935.3 | 1428.5 | 1024.3 | 1212.5 | 1400.7 | 1614.6 | 1877.6 | 1680.9 | 1347.2 | 1246.7 |
| 1214.7 | 75° | 1032.9 | 870.4 | 861.8 | 1054.3 | 1218.9 | 1434.9 | 1708.7 | 1565.4 | 1266.0 | 1317.3 |
| 840.4 | 77.5° | 703.6 | 615.9 | 720.7 | 902.4 | 1020.1 | 1236.0 | 1529.0 | 1390.0 | 1097.0 | 1092.8 |
| 581.7 | 80° | 487.6 | 436.3 | 585.9 | 727.1 | 789.1 | 1039.3 | 1334.4 | 1193.3 | 893.9 | 834.0 |
| 359.3 | 82.5° | 293.0 | 284.4 | 438.4 | 543.2 | 558.1 | 801.9 | 1105.6 | 1000.8 | 731.4 | 637.3 |
| 213.8 | 85° | 160.4 | 168.9 | 280.1 | 318.6 | 325.1 | 560.3 | 866.1 | 774.1 | 562.4 | 472.6 |
| 77.0 | 87.5° | 44.9 | 57.7 | 102.6 | 126.2 | 156.1 | 290.8 | 515.4 | 459.8 | 282.3 | 196.7 |
| 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° |
|--------|
| 5271.4 |
| 5658.4 |
| 5904.4 |
| 5974.9 |
| 5936.4 |
| 5846.6 |
| 5722.6 |
| 5513.0 |
| 5284.2 |
| 5138.8 |
| 5019.0 |
| 4886.4 |
| 4738.9 |
| 4522.9 |
| 4242.8 |
| 3887.8 |
| 3483.6 |
| 3079.4 |
| 2765.1 |
| 2555.5 |
| 2356.6 |
| 2204.8 |
| 2003.8 |
| 1830.5 |
| 1668.0 |
| 1539.7 |
| 1439.2 |
| 1362.2 |
| 1304.5 |
| 1229.6 |
| 1360.1 |
| 1007.2 |
| 797.7 |
| 641.5 |
| 476.9 |
| 196.7 |
| 0.0 |

F REPORT)