

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: P942506

Luminaire Tested: **GALN-SB6C-750-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA 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: 37682 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

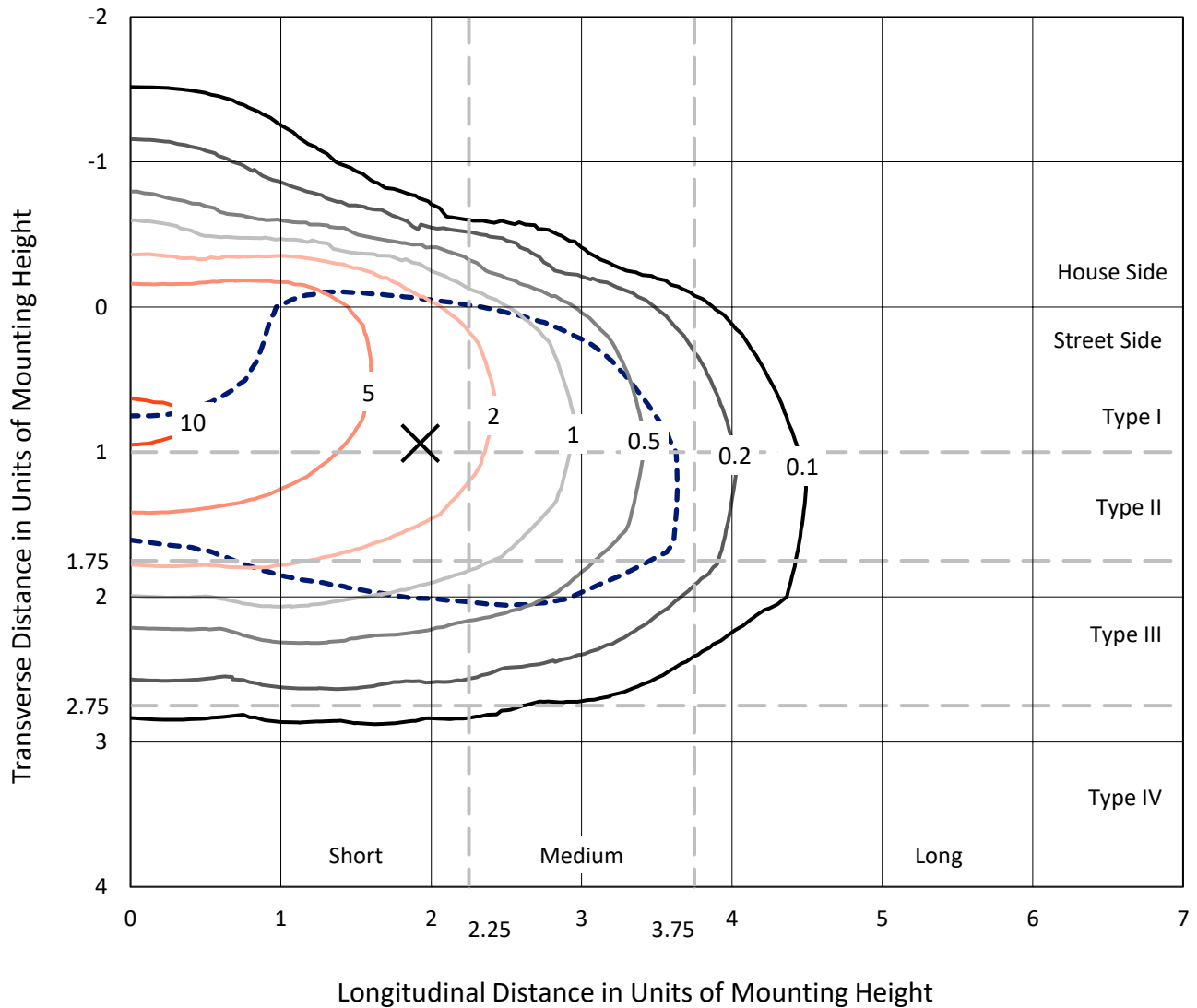
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942506
 CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

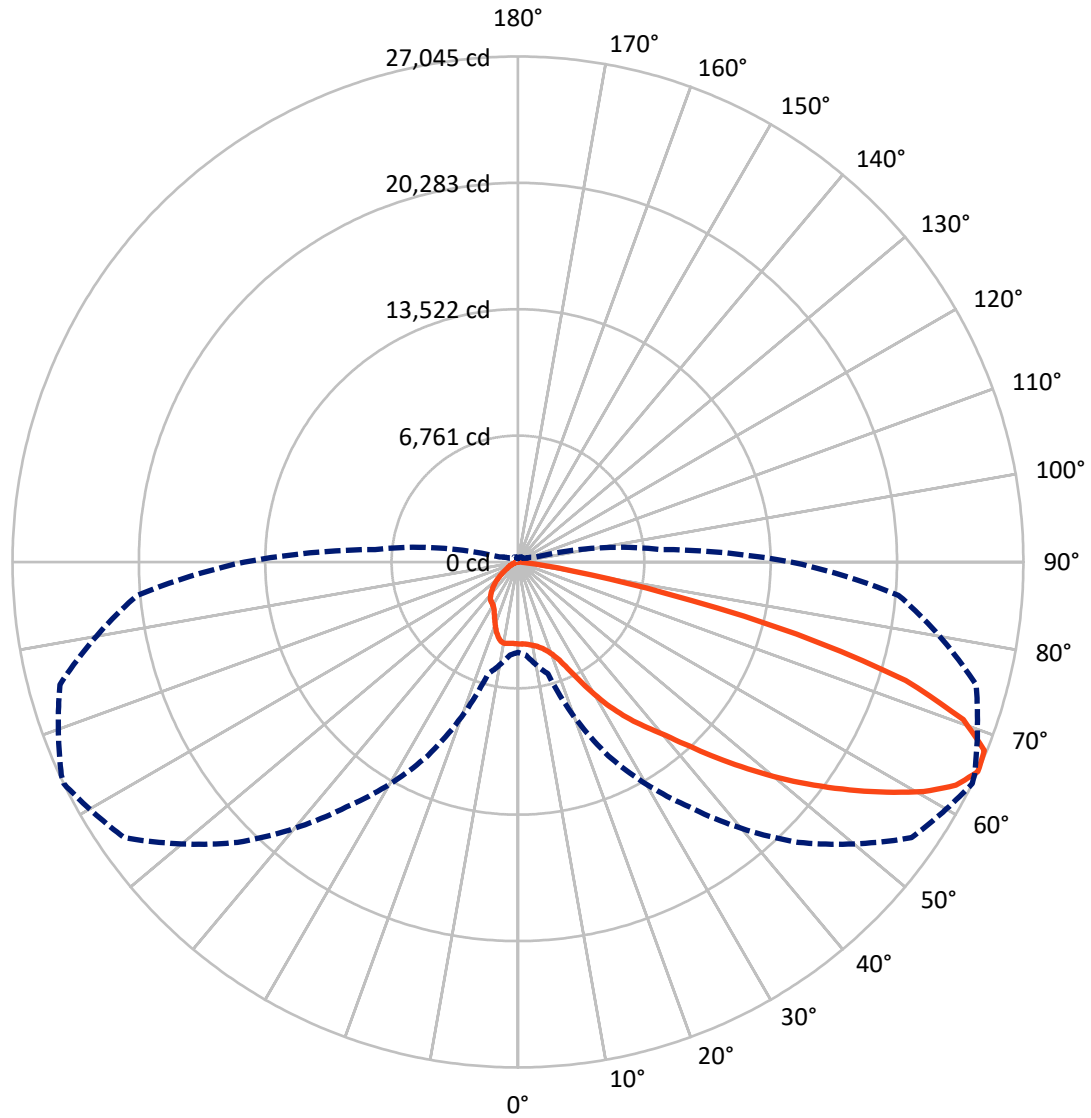
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - N/A

REPORT NUMBER: P942506
CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P942506
 CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5039.2 | 0.0 | 5039.2 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 32642.8 | 0.0 | 32642.8 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 37682.0 | 0.0 | 37682.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 404.4 | 1.1 |
| 10°-20° | 1096.7 | 2.9 |
| 20°-30° | 2078.2 | 5.5 |
| 30°-40° | 4205.3 | 11.2 |
| 40°-50° | 7163.8 | 19.0 |
| 50°-60° | 9742.2 | 25.9 |
| 60°-70° | 9148.5 | 24.3 |
| 70°-80° | 3665.3 | 9.7 |
| 80°-90° | 177.6 | 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° | 37682.0 | 100.0 |
| 0°-180° | 37682.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P942506

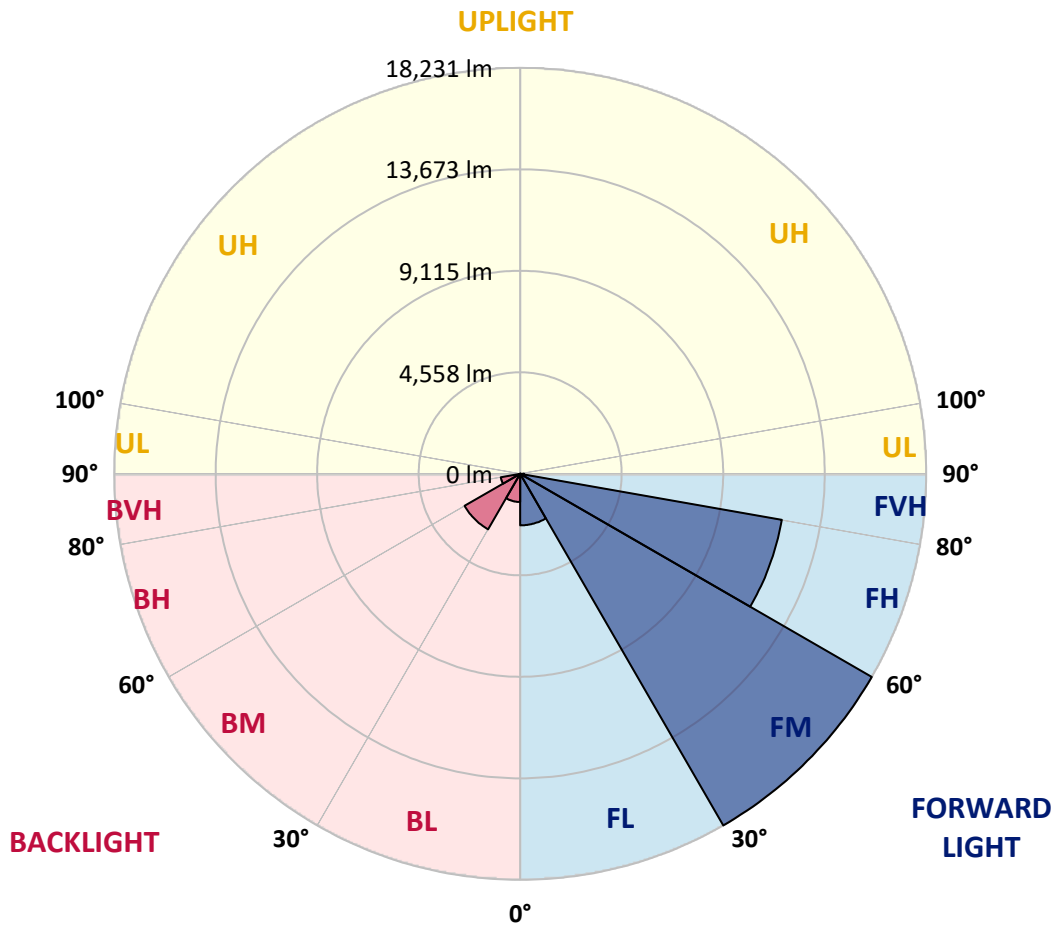
CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2314.1 | 6.1 | | | |
| FM (30°-60°) | 18230.5 | 48.4 | | | |
| FH (60°-80°) | 11929.3 | 31.7 | | | G4/12000 |
| FVH (80°-90°) | 168.9 | 0.4 | | | G2/225 |
| BL (0°-30°) | 1265.2 | 3.4 | B3/2500 | | |
| BM (30°-60°) | 2880.9 | 7.6 | B3/5000 | | |
| BH (60°-80°) | 884.5 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 8.7 | 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-G4

Type III Short



REPORT NUMBER: P942506
 CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 |
| 2.5° | 4367.7 | 4398.0 | 4390.4 | 4382.8 | 4380.3 | 4385.3 | 4387.9 | 4385.3 | 4385.3 | 4385.3 |
| 5° | 4284.3 | 4309.6 | 4309.6 | 4327.2 | 4352.5 | 4382.8 | 4405.5 | 4410.6 | 4415.6 | 4423.2 |
| 7.5° | 4125.1 | 4145.4 | 4160.5 | 4218.6 | 4281.8 | 4362.6 | 4430.8 | 4466.2 | 4471.2 | 4499.0 |
| 10° | 4016.5 | 4041.8 | 4067.0 | 4127.7 | 4218.6 | 4339.9 | 4456.1 | 4542.0 | 4554.6 | 4620.3 |
| 12.5° | 4011.5 | 4036.7 | 4069.6 | 4135.2 | 4241.3 | 4370.2 | 4511.6 | 4635.4 | 4658.2 | 4754.1 |
| 15° | 4064.5 | 4094.8 | 4125.1 | 4206.0 | 4319.7 | 4476.3 | 4627.8 | 4781.9 | 4804.7 | 4941.1 |
| 17.5° | 4173.1 | 4213.6 | 4236.3 | 4317.1 | 4438.4 | 4612.7 | 4812.2 | 4989.1 | 5009.3 | 5168.4 |
| 20° | 4387.9 | 4435.9 | 4443.4 | 4509.1 | 4627.8 | 4814.8 | 5052.2 | 5272.0 | 5297.3 | 5479.1 |
| 22.5° | 4832.5 | 4900.7 | 4840.0 | 4872.9 | 4979.0 | 5165.9 | 5423.6 | 5701.4 | 5736.8 | 5943.9 |
| 25° | 5615.6 | 5711.5 | 5554.9 | 5499.4 | 5544.8 | 5739.3 | 6062.7 | 6413.8 | 6454.2 | 6620.9 |
| 27.5° | 7154.0 | 7030.2 | 6792.7 | 6560.3 | 6423.9 | 6535.1 | 6898.8 | 7333.3 | 7383.8 | 7545.5 |
| 30° | 8843.9 | 8735.3 | 8414.5 | 7899.2 | 7575.8 | 7558.1 | 7894.1 | 8379.1 | 8437.2 | 8591.3 |
| 32.5° | 10536.4 | 10432.9 | 10084.2 | 9450.2 | 8889.4 | 8611.5 | 8843.9 | 9382.0 | 9412.3 | 9510.8 |
| 35° | 12201.1 | 12095.0 | 11746.4 | 11097.2 | 10407.6 | 9776.1 | 9730.6 | 10336.9 | 10347.0 | 10450.5 |
| 37.5° | 13875.9 | 13787.5 | 13416.2 | 12779.6 | 12100.1 | 11228.6 | 10806.7 | 11241.2 | 11253.8 | 11354.9 |
| 40° | 15070.8 | 15108.7 | 14853.6 | 14361.0 | 13777.4 | 12825.1 | 12014.2 | 12203.7 | 12127.9 | 12297.1 |
| 42.5° | 16096.4 | 16172.2 | 15949.9 | 15702.3 | 15363.8 | 14525.2 | 13509.7 | 13476.8 | 13355.6 | 13446.5 |
| 45° | 16983.1 | 17046.2 | 16846.7 | 16788.6 | 16781.0 | 16192.4 | 15144.1 | 14947.0 | 14777.8 | 14760.1 |
| 47.5° | 17308.9 | 17430.2 | 17516.1 | 17710.6 | 18089.5 | 17841.9 | 16834.0 | 16528.4 | 16338.9 | 16200.0 |
| 50° | 17432.7 | 17561.5 | 17854.6 | 18420.4 | 19317.2 | 19423.3 | 18516.4 | 18172.9 | 17940.5 | 17687.9 |
| 52.5° | 17266.0 | 17495.9 | 17889.9 | 18842.3 | 20143.2 | 20691.4 | 20130.6 | 19830.0 | 19564.8 | 19153.0 |
| 55° | 16283.3 | 16513.2 | 17319.0 | 18837.2 | 20555.0 | 21580.6 | 21656.4 | 21522.5 | 21224.4 | 20575.2 |
| 57.5° | 14211.9 | 14552.9 | 15828.6 | 18195.6 | 20547.4 | 22346.0 | 23151.8 | 23247.8 | 22914.4 | 21984.8 |
| 60° | 11342.3 | 11804.5 | 13360.6 | 16773.4 | 19913.4 | 22760.3 | 24462.9 | 24942.9 | 24589.2 | 23374.1 |
| 62.5° | 7914.3 | 8449.9 | 9922.6 | 14545.4 | 18463.4 | 22462.2 | 25420.3 | 26307.0 | 26039.2 | 24617.0 |
| 65° | 4827.4 | 4999.2 | 6186.5 | 11445.8 | 15997.9 | 21214.3 | 25715.8 | 27044.6 | 26956.2 | 25377.3 |
| 67.5° | 3215.7 | 3359.7 | 3700.8 | 7848.6 | 12418.4 | 18721.0 | 25008.5 | 26915.7 | 26941.0 | 25253.6 |
| 70° | 1937.5 | 2061.3 | 2283.6 | 4564.7 | 8048.2 | 14818.2 | 22818.4 | 25273.8 | 25420.3 | 23599.0 |
| 72.5° | 798.3 | 881.6 | 1083.7 | 2068.9 | 4168.1 | 9404.7 | 18170.3 | 21699.3 | 22040.3 | 19842.6 |
| 75° | 452.2 | 495.1 | 636.6 | 1038.2 | 1808.7 | 4382.8 | 11006.3 | 15404.2 | 15906.9 | 13676.4 |
| 77.5° | 300.6 | 320.8 | 411.8 | 671.9 | 1018.0 | 1495.5 | 4703.6 | 8025.5 | 8985.4 | 7469.7 |
| 80° | 202.1 | 219.8 | 282.9 | 449.6 | 661.8 | 641.6 | 1498.0 | 2973.2 | 3657.8 | 2566.5 |
| 82.5° | 136.4 | 138.9 | 202.1 | 295.6 | 419.3 | 310.7 | 442.1 | 924.6 | 1162.0 | 742.7 |
| 85° | 78.3 | 75.8 | 149.0 | 171.8 | 186.9 | 128.8 | 133.9 | 277.9 | 363.8 | 313.2 |
| 87.5° | 10.1 | 15.2 | 58.1 | 45.5 | 25.3 | 27.8 | 27.8 | 48.0 | 70.7 | 75.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P942506
 CATALOG NUMBER: GALN-SB6C-750-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4382.8 | 0° | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 | 4382.8 |
| 4387.9 | 2.5° | 4387.9 | 4385.3 | 4377.8 | 4370.2 | 4352.5 | 4342.4 | 4347.4 | 4342.4 | 4339.9 | 4342.4 |
| 4420.7 | 5° | 4420.7 | 4413.1 | 4392.9 | 4367.7 | 4332.3 | 4289.3 | 4261.6 | 4221.1 | 4183.2 | 4160.5 |
| 4509.1 | 7.5° | 4509.1 | 4501.5 | 4473.7 | 4403.0 | 4289.3 | 4110.0 | 3945.8 | 3801.8 | 3693.2 | 3630.0 |
| 4650.6 | 10° | 4650.6 | 4637.9 | 4595.0 | 4438.4 | 4140.3 | 3748.8 | 3422.9 | 3152.6 | 2975.8 | 2892.4 |
| 4817.3 | 12.5° | 4817.3 | 4802.1 | 4726.4 | 4405.5 | 3857.4 | 3246.1 | 2796.4 | 2495.8 | 2331.6 | 2258.3 |
| 5009.3 | 15° | 5014.3 | 4994.1 | 4845.1 | 4248.9 | 3445.6 | 2690.3 | 2278.6 | 2053.7 | 1947.6 | 1882.0 |
| 5254.3 | 17.5° | 5259.4 | 5224.0 | 4933.5 | 4014.0 | 2998.5 | 2265.9 | 1960.3 | 1791.0 | 1697.5 | 1634.4 |
| 5575.1 | 20° | 5577.7 | 5519.6 | 5004.2 | 3733.6 | 2586.7 | 1998.2 | 1745.5 | 1604.1 | 1533.4 | 1477.8 |
| 6029.8 | 22.5° | 6022.3 | 5938.9 | 5090.1 | 3430.5 | 2296.2 | 1813.7 | 1586.4 | 1482.8 | 1424.7 | 1361.6 |
| 6663.9 | 25° | 6572.9 | 6474.4 | 5196.2 | 3150.1 | 2096.7 | 1654.6 | 1470.2 | 1384.3 | 1316.1 | 1242.8 |
| 7495.0 | 27.5° | 7343.4 | 7166.6 | 5322.5 | 2920.2 | 1924.9 | 1518.2 | 1364.1 | 1268.1 | 1189.8 | 1129.2 |
| 8437.2 | 30° | 8202.3 | 7911.8 | 5433.7 | 2781.3 | 1768.3 | 1391.9 | 1225.2 | 1129.2 | 1055.9 | 1013.0 |
| 9283.5 | 32.5° | 9015.7 | 8621.6 | 5506.9 | 2720.6 | 1626.8 | 1247.9 | 1073.6 | 970.0 | 914.5 | 901.8 |
| 10112.0 | 35° | 9783.6 | 9263.3 | 5499.4 | 2662.5 | 1500.5 | 1103.9 | 924.6 | 818.5 | 775.5 | 783.1 |
| 11003.8 | 37.5° | 10667.8 | 9947.8 | 5446.3 | 2571.6 | 1396.9 | 972.6 | 795.7 | 702.3 | 664.4 | 666.9 |
| 12087.5 | 40° | 11695.9 | 10738.5 | 5413.5 | 2399.8 | 1283.3 | 851.3 | 689.6 | 613.8 | 586.1 | 576.0 |
| 13229.3 | 42.5° | 12792.2 | 11503.9 | 5418.5 | 2205.3 | 1141.8 | 742.7 | 616.4 | 553.2 | 528.0 | 520.4 |
| 14499.9 | 45° | 13893.6 | 12234.0 | 5426.1 | 2003.2 | 992.8 | 659.3 | 563.3 | 510.3 | 495.1 | 485.0 |
| 15788.2 | 47.5° | 14929.3 | 12855.4 | 5284.6 | 1786.0 | 846.2 | 596.2 | 520.4 | 485.0 | 472.4 | 459.8 |
| 17081.6 | 50° | 15894.3 | 13269.7 | 4943.6 | 1533.4 | 730.0 | 545.6 | 487.5 | 462.3 | 449.6 | 437.0 |
| 18253.7 | 52.5° | 16644.6 | 13335.4 | 4380.3 | 1273.2 | 649.2 | 507.7 | 467.3 | 444.6 | 429.4 | 416.8 |
| 19201.0 | 55° | 16978.0 | 12923.6 | 3579.5 | 1030.7 | 586.1 | 474.9 | 447.1 | 424.4 | 406.7 | 394.1 |
| 19946.2 | 57.5° | 16892.1 | 12057.1 | 2791.4 | 828.6 | 525.4 | 442.1 | 421.9 | 406.7 | 386.5 | 366.3 |
| 20549.9 | 60° | 16470.3 | 10897.7 | 2104.3 | 689.6 | 469.9 | 406.7 | 394.1 | 381.4 | 353.7 | 323.3 |
| 20782.3 | 62.5° | 15740.2 | 9440.1 | 1500.5 | 570.9 | 409.2 | 366.3 | 361.2 | 351.1 | 310.7 | 255.1 |
| 20438.8 | 65° | 14623.7 | 7669.3 | 1010.4 | 474.9 | 351.1 | 320.8 | 323.3 | 305.7 | 252.6 | 189.5 |
| 19180.8 | 67.5° | 12991.8 | 5608.0 | 646.7 | 389.0 | 293.0 | 267.8 | 270.3 | 260.2 | 214.7 | 161.7 |
| 16796.1 | 70° | 10912.8 | 3713.4 | 421.9 | 295.6 | 234.9 | 207.1 | 222.3 | 224.8 | 181.9 | 131.4 |
| 12890.8 | 72.5° | 8000.2 | 2192.7 | 295.6 | 219.8 | 171.8 | 144.0 | 181.9 | 186.9 | 146.5 | 98.5 |
| 7755.2 | 75° | 4559.6 | 1040.8 | 222.3 | 159.1 | 106.1 | 101.0 | 141.5 | 141.5 | 101.0 | 65.7 |
| 3357.2 | 77.5° | 1914.8 | 434.5 | 156.6 | 103.6 | 60.6 | 58.1 | 96.0 | 88.4 | 50.5 | 30.3 |
| 818.5 | 80° | 553.2 | 194.5 | 83.4 | 50.5 | 25.3 | 22.7 | 37.9 | 27.8 | 12.6 | 5.1 |
| 310.7 | 82.5° | 217.2 | 85.9 | 32.8 | 20.2 | 10.1 | 10.1 | 5.1 | 0.0 | 0.0 | 0.0 |
| 176.8 | 85° | 128.8 | 35.4 | 15.2 | 7.6 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.9 | 87.5° | 32.8 | 7.6 | 5.1 | 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

| |
|-------------|
| <u>180°</u> |
| 4382.8 |
| 4352.5 |
| 4165.6 |
| 3632.6 |
| 2884.8 |
| 2250.8 |
| 1884.5 |
| 1629.3 |
| 1467.7 |
| 1351.5 |
| 1235.3 |
| 1116.5 |
| 1005.4 |
| 909.4 |
| 783.1 |
| 677.0 |
| 573.4 |
| 517.9 |
| 485.0 |
| 459.8 |
| 437.0 |
| 414.3 |
| 391.5 |
| 363.8 |
| 318.3 |
| 250.1 |
| 184.4 |
| 154.1 |
| 126.3 |
| 93.5 |
| 60.6 |
| 30.3 |
| 5.1 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)