

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: P952533

Luminaire Tested: **GALN-SB6B-835-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-835-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26369 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

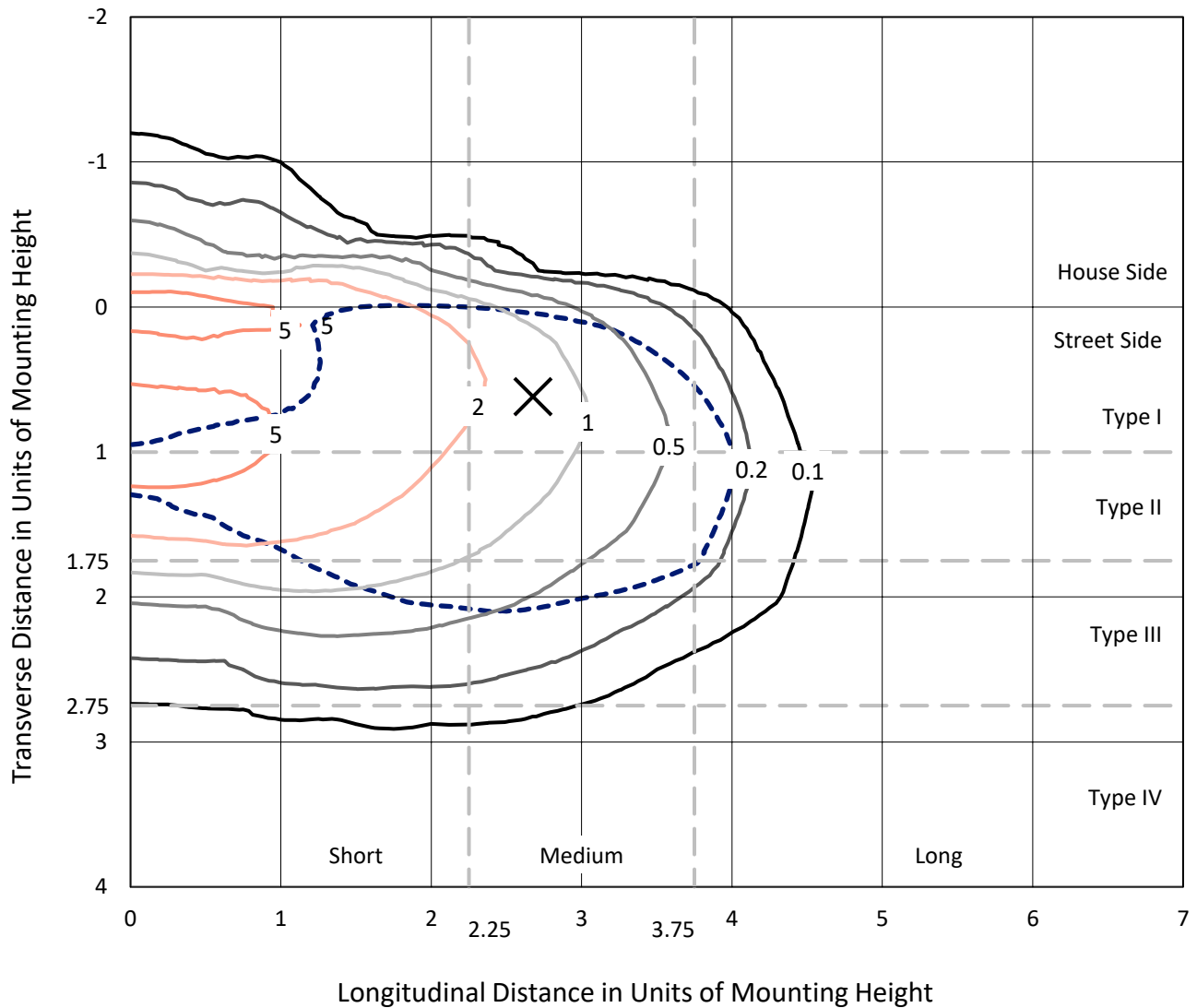
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952533
 CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

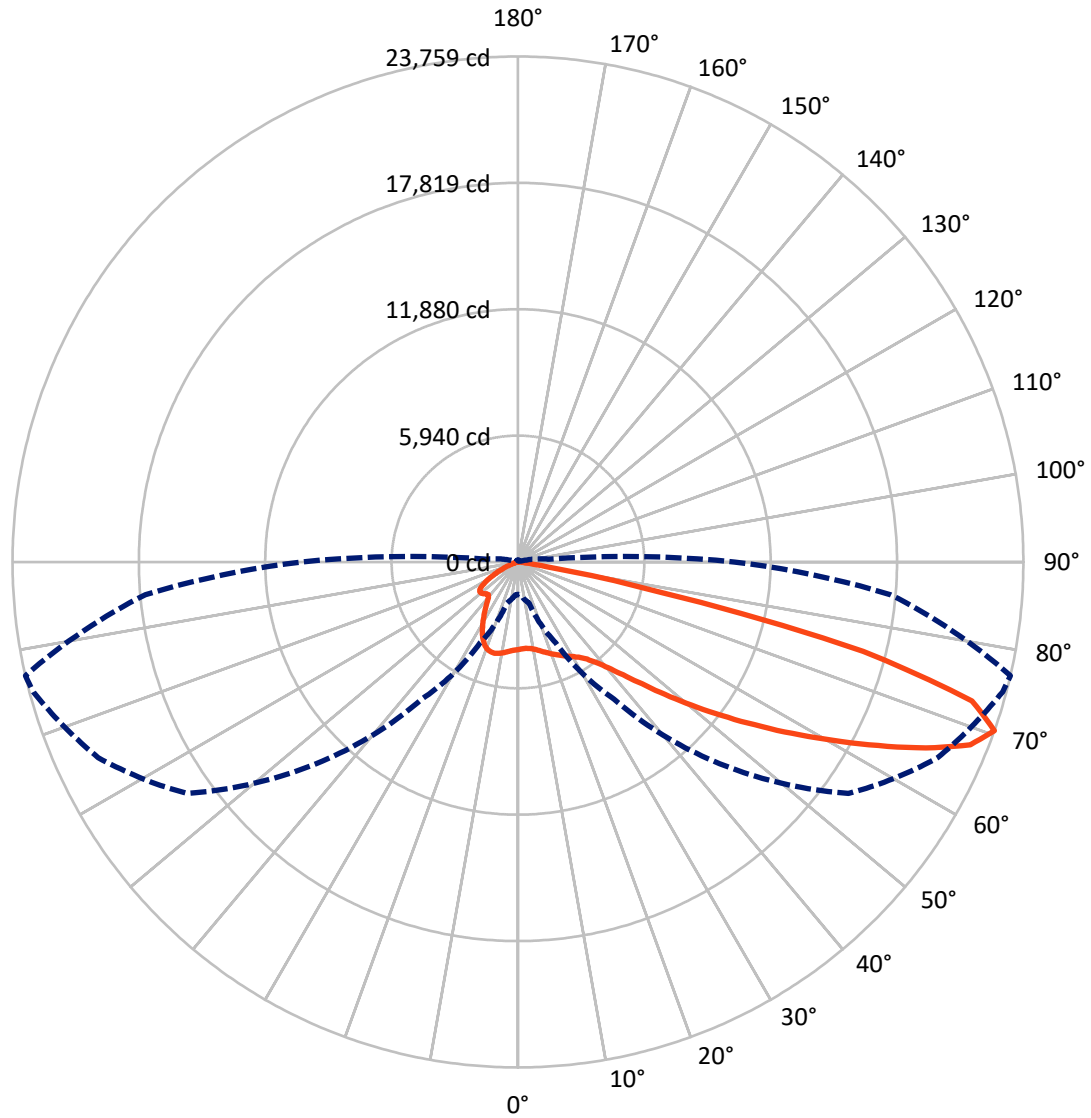
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P952533
CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952533

CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2779.7 | 0.0 | 2779.7 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| Street Side | Lumens | 23589.3 | 0.0 | 23589.3 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| Total | Lumens | 26369.0 | 0.0 | 26369.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 354.5 | 1.3 |
| 10°-20° | 841.5 | 3.2 |
| 20°-30° | 1301.6 | 4.9 |
| 30°-40° | 2361.8 | 9.0 |
| 40°-50° | 4458.1 | 16.9 |
| 50°-60° | 6441.6 | 24.4 |
| 60°-70° | 6856.9 | 26.0 |
| 70°-80° | 3633.7 | 13.8 |
| 80°-90° | 119.3 | 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° | 26369.0 | 100.0 |
| 0°-180° | 26369.0 | 100.0 |

Coefficient of Utilization



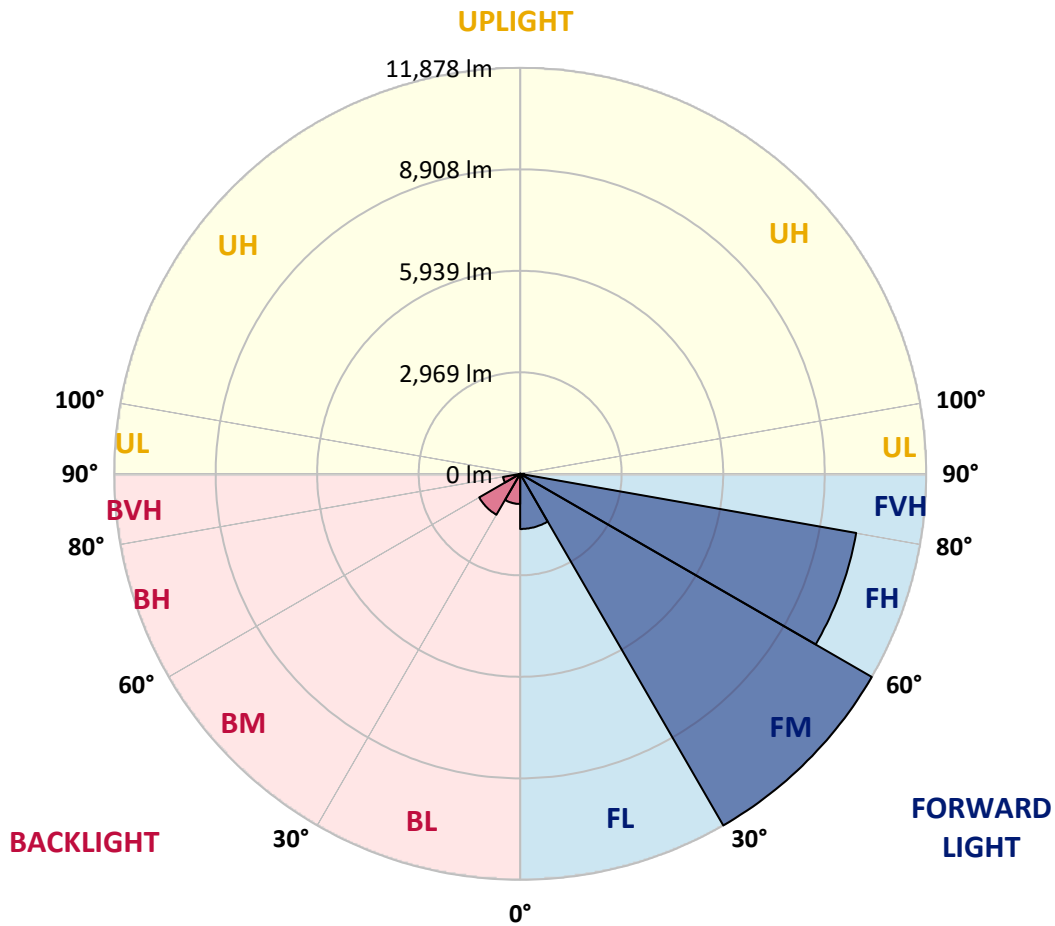
REPORT NUMBER: P952533
 CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1614.4 | 6.1 | | | |
| FM (30°-60°) | 11877.8 | 45.0 | | | |
| FH (60°-80°) | 9981.0 | 37.9 | | | G4/12000 |
| FVH (80°-90°) | 116.1 | 0.4 | | | G2/225 |
| BL (0°-30°) | 883.1 | 3.3 | B2/1000 | | |
| BM (30°-60°) | 1383.7 | 5.2 | B2/2500 | | |
| BH (60°-80°) | 509.6 | 1.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 3.2 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type III Medium



REPORT NUMBER: P952533
 CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 |
| 2.5° | 3861.6 | 3896.6 | 3891.6 | 3914.9 | 3923.3 | 3956.6 | 3989.9 | 4034.8 | 4084.8 | 4083.1 |
| 5° | 3643.5 | 3678.5 | 3686.8 | 3718.4 | 3758.4 | 3810.0 | 3878.3 | 3968.2 | 4061.5 | 4076.5 |
| 7.5° | 3385.4 | 3422.0 | 3443.7 | 3506.9 | 3580.2 | 3686.8 | 3798.4 | 3929.9 | 4084.8 | 4106.4 |
| 10° | 3127.3 | 3160.6 | 3188.9 | 3278.8 | 3395.4 | 3553.6 | 3735.1 | 3924.9 | 4133.1 | 4164.7 |
| 12.5° | 2967.4 | 2999.1 | 3030.7 | 3109.0 | 3253.8 | 3447.0 | 3693.5 | 3948.2 | 4213.0 | 4258.0 |
| 15° | 2910.8 | 2939.1 | 2964.1 | 3034.0 | 3168.9 | 3388.7 | 3685.1 | 3996.5 | 4314.6 | 4374.5 |
| 17.5° | 2919.1 | 2934.1 | 2950.8 | 3004.1 | 3135.6 | 3362.1 | 3700.1 | 4079.8 | 4434.5 | 4487.8 |
| 20° | 2967.4 | 2975.7 | 2977.4 | 3014.0 | 3130.6 | 3358.7 | 3730.1 | 4159.7 | 4547.7 | 4619.3 |
| 22.5° | 3029.0 | 3032.4 | 3029.0 | 3054.0 | 3162.2 | 3383.7 | 3770.1 | 4256.3 | 4674.3 | 4740.9 |
| 25° | 3317.1 | 3253.8 | 3173.9 | 3125.6 | 3215.5 | 3432.0 | 3830.0 | 4386.2 | 4812.5 | 4877.4 |
| 27.5° | 4211.3 | 4029.8 | 3743.4 | 3422.0 | 3325.4 | 3502.0 | 3913.3 | 4517.7 | 4952.4 | 5010.6 |
| 30° | 5663.4 | 5425.3 | 4939.0 | 4214.7 | 3678.5 | 3648.5 | 4021.5 | 4649.3 | 5100.6 | 5163.8 |
| 32.5° | 7118.8 | 7060.5 | 6499.3 | 5496.9 | 4472.8 | 3974.9 | 4201.3 | 4827.5 | 5297.1 | 5347.0 |
| 35° | 8590.9 | 8472.6 | 8013.0 | 7022.2 | 5696.7 | 4639.3 | 4501.1 | 5060.6 | 5555.2 | 5611.8 |
| 37.5° | 9718.2 | 9646.6 | 9361.9 | 8545.9 | 7148.8 | 5665.1 | 5014.0 | 5421.9 | 5929.8 | 5993.1 |
| 40° | 10714.0 | 10680.7 | 10584.1 | 10046.3 | 8772.4 | 7007.2 | 5811.6 | 5981.5 | 6449.4 | 6524.3 |
| 42.5° | 11496.7 | 11574.9 | 11629.9 | 11480.0 | 10445.9 | 8539.2 | 6884.0 | 6767.4 | 7173.8 | 7250.4 |
| 45° | 12297.6 | 12324.3 | 12545.8 | 12762.2 | 12107.8 | 10141.2 | 8093.0 | 7688.3 | 8074.6 | 8169.6 |
| 47.5° | 12812.2 | 12918.8 | 13308.4 | 13689.8 | 13504.9 | 11729.8 | 9391.8 | 8775.7 | 9118.7 | 9296.9 |
| 50° | 12850.5 | 13052.0 | 13588.2 | 14252.6 | 14522.4 | 13241.8 | 10803.9 | 10014.6 | 10379.3 | 10575.8 |
| 52.5° | 12212.7 | 12525.8 | 13356.7 | 14329.2 | 15071.9 | 14522.4 | 12264.3 | 11253.5 | 11721.5 | 11977.9 |
| 55° | 9363.5 | 9773.2 | 12485.8 | 13912.9 | 15093.5 | 15493.2 | 13686.4 | 12544.1 | 13216.8 | 13506.6 |
| 57.5° | 8157.9 | 8364.4 | 9816.5 | 13190.2 | 14692.2 | 15884.5 | 14972.0 | 13773.0 | 14843.8 | 15203.4 |
| 60° | 6787.4 | 7058.9 | 8232.8 | 12007.9 | 14147.7 | 15922.8 | 16107.7 | 15358.3 | 16607.2 | 17011.9 |
| 62.5° | 4612.7 | 4907.4 | 6074.7 | 9976.3 | 13403.3 | 15904.5 | 17038.5 | 16990.2 | 18567.2 | 19001.8 |
| 65° | 2857.5 | 3042.4 | 3811.7 | 8146.2 | 12362.6 | 15924.5 | 18012.7 | 18971.8 | 20635.4 | 21076.7 |
| 67.5° | 2258.0 | 2343.0 | 2744.3 | 6254.6 | 10569.1 | 15474.9 | 18985.1 | 20835.2 | 22582.0 | 22931.7 |
| 70° | 1517.0 | 1568.6 | 1996.6 | 4193.0 | 7863.2 | 13400.0 | 18966.8 | 21771.1 | 23584.5 | 23759.3 |
| 72.5° | 799.3 | 839.3 | 1167.3 | 1941.6 | 4749.2 | 9525.0 | 15987.8 | 20652.0 | 22587.0 | 22323.9 |
| 75° | 399.7 | 466.3 | 786.0 | 985.8 | 2028.2 | 5312.0 | 9928.0 | 16282.5 | 17777.9 | 16758.8 |
| 77.5° | 303.1 | 366.3 | 649.4 | 649.4 | 706.1 | 1788.4 | 4204.7 | 8880.6 | 8191.2 | 6820.7 |
| 80° | 193.2 | 249.8 | 567.8 | 491.2 | 294.7 | 454.6 | 1095.7 | 2487.8 | 1740.2 | 1323.8 |
| 82.5° | 113.2 | 163.2 | 472.9 | 324.7 | 164.9 | 168.2 | 309.7 | 529.5 | 451.3 | 351.4 |
| 85° | 45.0 | 106.6 | 324.7 | 128.2 | 64.9 | 41.6 | 93.3 | 113.2 | 93.3 | 69.9 |
| 87.5° | 0.0 | 25.0 | 56.6 | 0.0 | 5.0 | 3.3 | 6.7 | 8.3 | 8.3 | 6.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P952533
 CATALOG NUMBER: GALN-SB6B-835-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4113.1 | 0° | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 | 4113.1 |
| 4116.4 | 2.5° | 4131.4 | 4134.7 | 4144.7 | 4146.4 | 4123.1 | 4093.1 | 4081.4 | 4076.5 | 4056.5 | 4054.8 |
| 4143.1 | 5° | 4181.4 | 4196.3 | 4181.4 | 4138.1 | 4034.8 | 3889.9 | 3780.0 | 3690.1 | 3608.5 | 3583.5 |
| 4234.6 | 7.5° | 4281.3 | 4296.3 | 4251.3 | 4081.4 | 3821.7 | 3533.6 | 3273.8 | 3090.6 | 2925.8 | 2864.2 |
| 4346.2 | 10° | 4424.5 | 4444.5 | 4302.9 | 3959.9 | 3500.3 | 3037.4 | 2597.7 | 2288.0 | 2046.6 | 1948.3 |
| 4497.8 | 12.5° | 4604.3 | 4612.7 | 4331.2 | 3775.0 | 3082.3 | 2421.2 | 1798.4 | 1467.1 | 1252.2 | 1172.3 |
| 4680.9 | 15° | 4802.5 | 4790.8 | 4334.6 | 3523.6 | 2512.8 | 1711.8 | 1174.0 | 964.2 | 877.6 | 850.9 |
| 4864.1 | 17.5° | 5010.6 | 4962.3 | 4268.0 | 3160.6 | 1888.4 | 1170.6 | 870.9 | 821.0 | 806.0 | 799.3 |
| 5045.6 | 20° | 5215.5 | 5107.2 | 4146.4 | 2686.0 | 1355.5 | 874.2 | 791.0 | 776.0 | 767.7 | 764.3 |
| 5228.8 | 22.5° | 5402.0 | 5217.1 | 3938.2 | 2134.8 | 984.1 | 772.7 | 747.7 | 734.4 | 719.4 | 712.7 |
| 5407.0 | 25° | 5583.5 | 5280.4 | 3645.2 | 1620.3 | 787.6 | 722.7 | 702.7 | 677.7 | 657.8 | 649.4 |
| 5598.5 | 27.5° | 5760.0 | 5320.4 | 3278.8 | 1199.0 | 702.7 | 676.1 | 639.4 | 604.5 | 589.5 | 586.2 |
| 5803.3 | 30° | 5948.2 | 5333.7 | 2862.5 | 894.2 | 651.1 | 617.8 | 564.5 | 524.5 | 516.2 | 517.9 |
| 6079.7 | 32.5° | 6178.0 | 5353.7 | 2442.9 | 732.7 | 607.8 | 547.9 | 484.6 | 442.9 | 436.3 | 442.9 |
| 6482.7 | 35° | 6452.7 | 5393.6 | 2038.2 | 674.4 | 569.5 | 476.3 | 408.0 | 373.0 | 366.3 | 371.3 |
| 6998.9 | 37.5° | 6825.7 | 5458.6 | 1660.2 | 662.8 | 537.9 | 416.3 | 343.0 | 314.7 | 314.7 | 316.4 |
| 7631.7 | 40° | 7322.0 | 5631.8 | 1322.2 | 654.4 | 521.2 | 371.3 | 289.7 | 278.1 | 283.1 | 286.4 |
| 8437.7 | 42.5° | 7926.4 | 5999.8 | 1094.0 | 644.4 | 502.9 | 351.4 | 263.1 | 258.1 | 266.4 | 269.8 |
| 9403.5 | 45° | 8604.2 | 6466.0 | 1014.1 | 627.8 | 486.2 | 364.7 | 251.4 | 244.8 | 254.8 | 256.4 |
| 10485.9 | 47.5° | 9305.2 | 6922.3 | 1004.1 | 609.5 | 469.6 | 384.7 | 248.1 | 233.1 | 244.8 | 246.5 |
| 11641.5 | 50° | 10014.6 | 7220.4 | 1014.1 | 581.2 | 442.9 | 384.7 | 249.8 | 221.5 | 231.5 | 236.5 |
| 12840.5 | 52.5° | 10729.0 | 7356.9 | 1007.5 | 519.5 | 396.3 | 361.4 | 249.8 | 211.5 | 221.5 | 224.8 |
| 14136.0 | 55° | 11421.7 | 7330.3 | 905.9 | 428.0 | 336.4 | 319.7 | 243.1 | 203.2 | 209.8 | 211.5 |
| 15360.0 | 57.5° | 11969.6 | 6958.9 | 717.7 | 333.0 | 273.1 | 266.4 | 221.5 | 193.2 | 198.2 | 196.5 |
| 16482.3 | 60° | 12256.0 | 6143.0 | 512.9 | 256.4 | 214.8 | 209.8 | 194.8 | 179.8 | 183.2 | 174.8 |
| 17433.2 | 62.5° | 12259.3 | 5063.9 | 343.0 | 203.2 | 171.5 | 166.5 | 166.5 | 161.5 | 158.2 | 141.5 |
| 18169.2 | 65° | 11997.9 | 3866.6 | 228.1 | 161.5 | 138.2 | 129.9 | 139.9 | 138.2 | 126.6 | 103.2 |
| 18394.0 | 67.5° | 11405.1 | 2534.5 | 173.2 | 126.6 | 106.6 | 101.6 | 111.6 | 116.6 | 108.2 | 86.6 |
| 17574.7 | 70° | 10186.1 | 1475.4 | 143.2 | 98.2 | 79.9 | 74.9 | 89.9 | 99.9 | 89.9 | 69.9 |
| 15021.9 | 72.5° | 8461.0 | 796.0 | 116.6 | 73.3 | 55.0 | 50.0 | 71.6 | 81.6 | 71.6 | 51.6 |
| 9638.3 | 75° | 5490.2 | 426.3 | 89.9 | 48.3 | 28.3 | 31.6 | 53.3 | 59.9 | 50.0 | 33.3 |
| 2829.2 | 77.5° | 1843.4 | 188.2 | 56.6 | 23.3 | 13.3 | 13.3 | 31.6 | 36.6 | 23.3 | 11.7 |
| 514.6 | 80° | 411.3 | 78.3 | 23.3 | 10.0 | 5.0 | 5.0 | 6.7 | 6.7 | 3.3 | 0.0 |
| 158.2 | 82.5° | 134.9 | 31.6 | 10.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40.0 | 85° | 51.6 | 11.7 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.3 | 87.5° | 20.0 | 1.7 | 0.0 | 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> |
|-------------|
| 4113.1 |
| 4058.1 |
| 3568.6 |
| 2839.2 |
| 1906.7 |
| 1147.3 |
| 850.9 |
| 797.6 |
| 761.0 |
| 711.0 |
| 646.1 |
| 582.8 |
| 517.9 |
| 441.3 |
| 369.7 |
| 314.7 |
| 286.4 |
| 269.8 |
| 258.1 |
| 248.1 |
| 238.1 |
| 224.8 |
| 211.5 |
| 196.5 |
| 173.2 |
| 136.5 |
| 99.9 |
| 84.9 |
| 66.6 |
| 50.0 |
| 30.0 |
| 10.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)