

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: P849337

Luminaire Tested: **GLAN-SB6B-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849337
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-SB6B-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 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: 21352 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

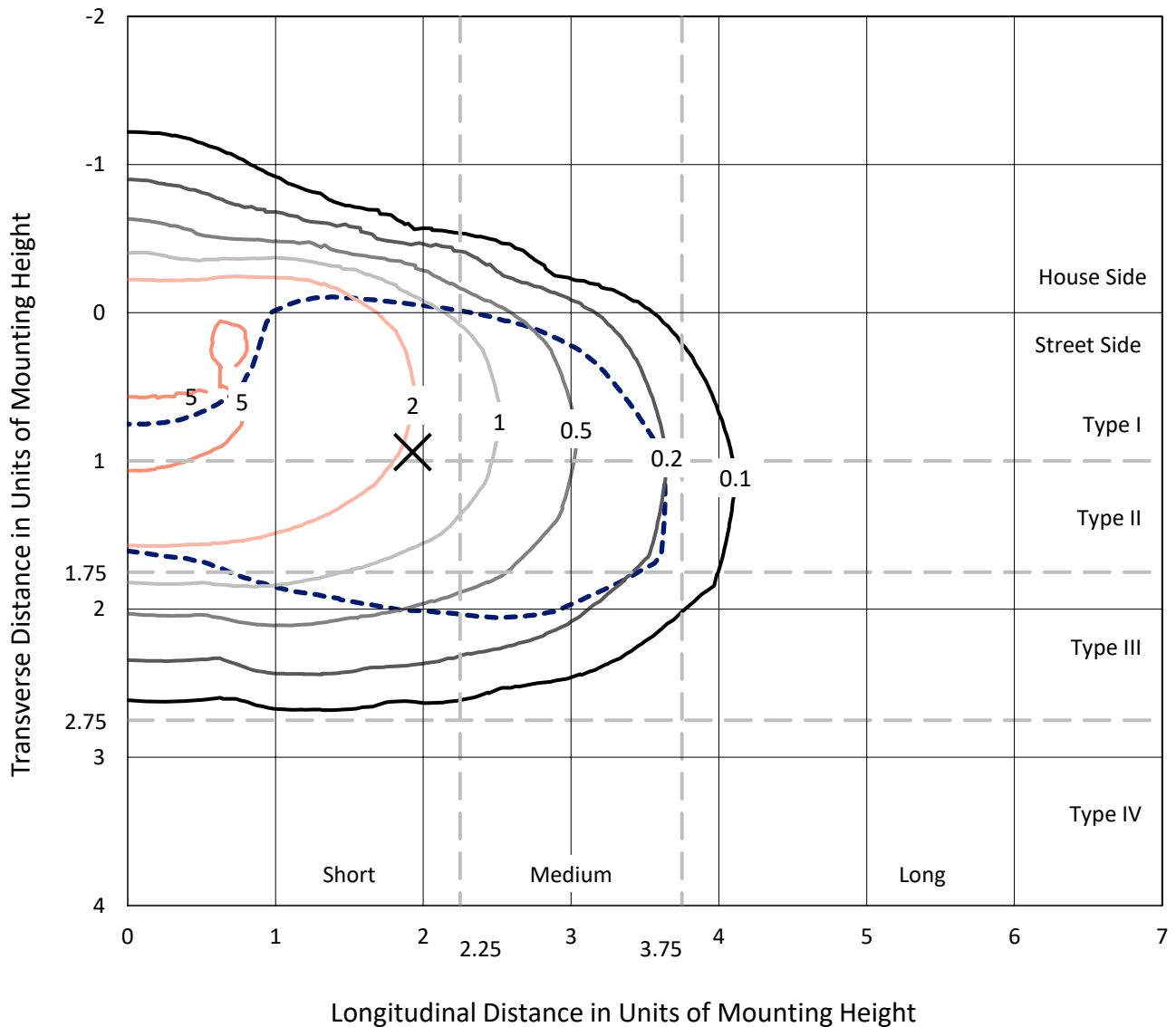
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849337
 CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

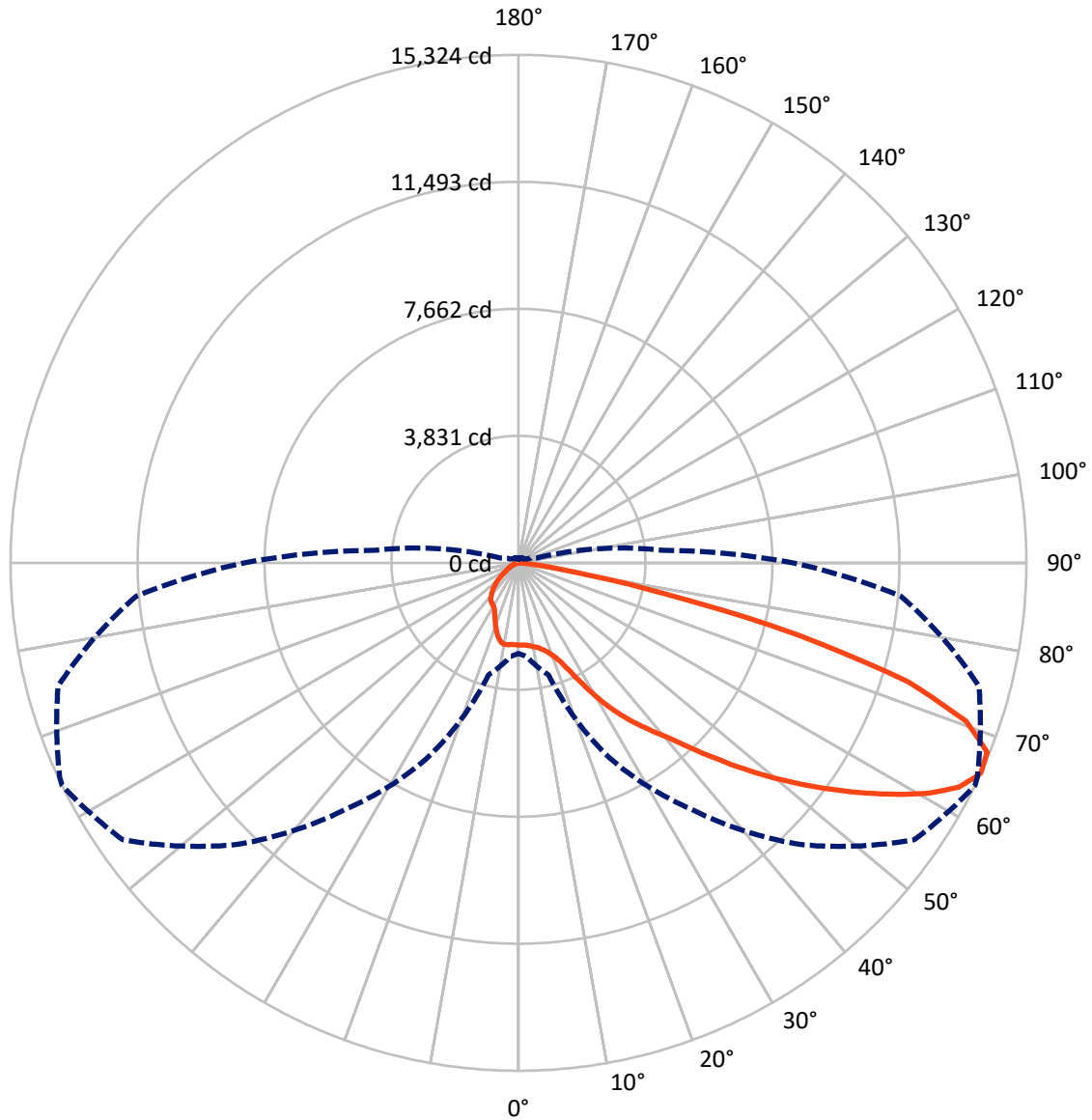
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P849337
CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849337
 CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2855.4 | 0.0 | 2855.4 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 18496.6 | 0.0 | 18496.6 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 21352.0 | 0.0 | 21352.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 229.1 | 1.1 |
| 10°-20° | 621.5 | 2.9 |
| 20°-30° | 1177.6 | 5.5 |
| 30°-40° | 2382.9 | 11.2 |
| 40°-50° | 4059.3 | 19.0 |
| 50°-60° | 5520.3 | 25.9 |
| 60°-70° | 5183.8 | 24.3 |
| 70°-80° | 2076.9 | 9.7 |
| 80°-90° | 100.6 | 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° | 21352.0 | 100.0 |
| 0°-180° | 21352.0 | 100.0 |

Coefficient of Utilization



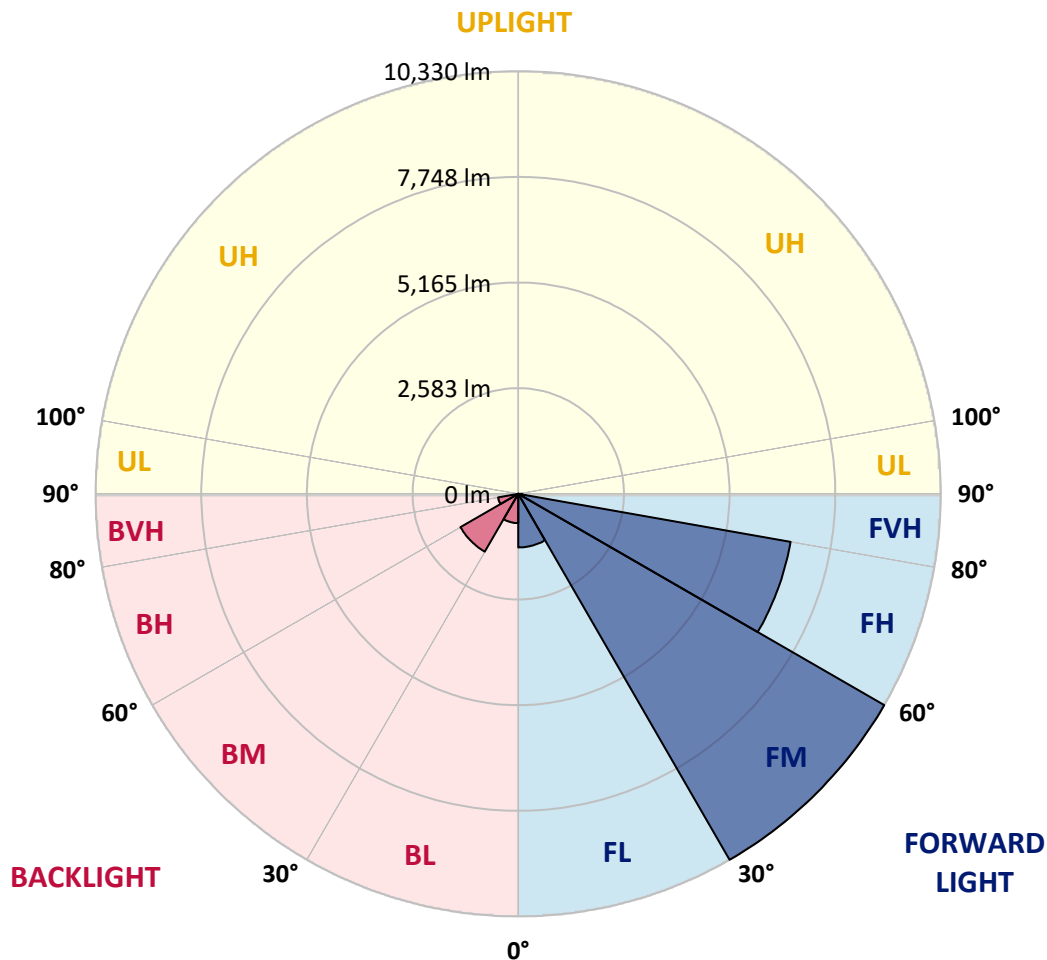
REPORT NUMBER: P849337
 CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1311.3 | 6.1 | | | |
| FM (30°-60°) | 10330.1 | 48.4 | | | |
| FH (60°-80°) | 6759.6 | 31.7 | | | G3/7500 |
| FVH (80°-90°) | 95.7 | 0.4 | | | G1/100 |
| BL (0°-30°) | 716.9 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1632.4 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 501.2 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 4.9 | 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-G3

Type III Short



REPORT NUMBER: P849337
 CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 |
| 2.5° | 2474.9 | 2492.0 | 2487.8 | 2483.5 | 2482.0 | 2484.9 | 2486.3 | 2484.9 | 2484.9 | 2484.9 |
| 5° | 2427.6 | 2441.9 | 2441.9 | 2452.0 | 2466.3 | 2483.5 | 2496.3 | 2499.2 | 2502.1 | 2506.4 |
| 7.5° | 2337.5 | 2348.9 | 2357.5 | 2390.4 | 2426.2 | 2472.0 | 2510.7 | 2530.7 | 2533.6 | 2549.3 |
| 10° | 2275.9 | 2290.2 | 2304.5 | 2338.9 | 2390.4 | 2459.1 | 2525.0 | 2573.6 | 2580.8 | 2618.0 |
| 12.5° | 2273.0 | 2287.4 | 2306.0 | 2343.2 | 2403.3 | 2476.3 | 2556.5 | 2626.6 | 2639.5 | 2693.9 |
| 15° | 2303.1 | 2320.3 | 2337.5 | 2383.3 | 2447.7 | 2536.4 | 2622.3 | 2709.6 | 2722.5 | 2799.8 |
| 17.5° | 2364.7 | 2387.6 | 2400.4 | 2446.2 | 2514.9 | 2613.7 | 2726.8 | 2827.0 | 2838.4 | 2928.6 |
| 20° | 2486.3 | 2513.5 | 2517.8 | 2555.0 | 2622.3 | 2728.2 | 2862.8 | 2987.3 | 3001.6 | 3104.7 |
| 22.5° | 2738.2 | 2776.9 | 2742.5 | 2761.1 | 2821.3 | 2927.2 | 3073.2 | 3230.6 | 3250.7 | 3368.1 |
| 25° | 3182.0 | 3236.4 | 3147.6 | 3116.1 | 3141.9 | 3252.1 | 3435.3 | 3634.3 | 3657.2 | 3751.7 |
| 27.5° | 4053.7 | 3983.6 | 3849.0 | 3717.3 | 3640.0 | 3703.0 | 3909.1 | 4155.3 | 4183.9 | 4275.6 |
| 30° | 5011.3 | 4949.7 | 4768.0 | 4476.0 | 4292.7 | 4282.7 | 4473.1 | 4747.9 | 4780.8 | 4868.2 |
| 32.5° | 5970.3 | 5911.6 | 5714.1 | 5354.8 | 5037.1 | 4879.6 | 5011.3 | 5316.2 | 5333.4 | 5389.2 |
| 35° | 6913.6 | 6853.5 | 6656.0 | 6288.1 | 5897.3 | 5539.5 | 5513.7 | 5857.2 | 5863.0 | 5921.7 |
| 37.5° | 7862.6 | 7812.5 | 7602.1 | 7241.4 | 6856.4 | 6362.5 | 6123.5 | 6369.7 | 6376.8 | 6434.1 |
| 40° | 8539.7 | 8561.1 | 8416.6 | 8137.4 | 7806.8 | 7267.2 | 6807.7 | 6915.0 | 6872.1 | 6968.0 |
| 42.5° | 9120.8 | 9163.8 | 9037.8 | 8897.5 | 8705.7 | 8230.5 | 7655.1 | 7636.5 | 7567.8 | 7619.3 |
| 45° | 9623.2 | 9659.0 | 9545.9 | 9513.0 | 9508.7 | 9175.2 | 8581.2 | 8469.5 | 8373.6 | 8363.6 |
| 47.5° | 9807.9 | 9876.6 | 9925.2 | 10035.5 | 10250.2 | 10109.9 | 9538.8 | 9365.6 | 9258.2 | 9179.5 |
| 50° | 9878.0 | 9951.0 | 10117.1 | 10437.7 | 10945.8 | 11005.9 | 10492.1 | 10297.4 | 10165.7 | 10022.6 |
| 52.5° | 9783.5 | 9913.8 | 10137.1 | 10676.7 | 11413.9 | 11724.5 | 11406.7 | 11236.4 | 11086.1 | 10852.8 |
| 55° | 9226.7 | 9357.0 | 9813.6 | 10673.9 | 11647.2 | 12228.4 | 12271.3 | 12195.4 | 12026.5 | 11658.7 |
| 57.5° | 8053.0 | 8246.2 | 8969.1 | 10310.3 | 11642.9 | 12662.1 | 13118.7 | 13173.1 | 12984.1 | 12457.4 |
| 60° | 6426.9 | 6688.9 | 7570.6 | 9504.4 | 11283.6 | 12896.8 | 13861.6 | 14133.5 | 13933.1 | 13244.6 |
| 62.5° | 4484.5 | 4788.0 | 5622.5 | 8241.9 | 10462.0 | 12727.9 | 14404.1 | 14906.5 | 14754.8 | 13948.9 |
| 65° | 2735.4 | 2832.7 | 3505.5 | 6485.6 | 9065.0 | 12020.8 | 14571.5 | 15324.4 | 15274.3 | 14379.7 |
| 67.5° | 1822.2 | 1903.7 | 2097.0 | 4447.3 | 7036.7 | 10608.0 | 14170.7 | 15251.4 | 15265.8 | 14309.6 |
| 70° | 1097.9 | 1168.0 | 1294.0 | 2586.5 | 4560.4 | 8396.5 | 12929.7 | 14321.0 | 14404.1 | 13372.0 |
| 72.5° | 452.3 | 499.6 | 614.1 | 1172.3 | 2361.8 | 5329.1 | 10296.0 | 12295.6 | 12488.9 | 11243.6 |
| 75° | 256.2 | 280.6 | 360.7 | 588.3 | 1024.9 | 2483.5 | 6236.6 | 8728.6 | 9013.5 | 7749.5 |
| 77.5° | 170.3 | 181.8 | 233.3 | 380.7 | 576.8 | 847.4 | 2665.2 | 4547.5 | 5091.4 | 4232.6 |
| 80° | 114.5 | 124.5 | 160.3 | 254.8 | 375.0 | 363.6 | 848.8 | 1684.7 | 2072.7 | 1454.3 |
| 82.5° | 77.3 | 78.7 | 114.5 | 167.5 | 237.6 | 176.1 | 250.5 | 523.9 | 658.4 | 420.8 |
| 85° | 44.4 | 42.9 | 84.5 | 97.3 | 105.9 | 73.0 | 75.9 | 157.5 | 206.1 | 177.5 |
| 87.5° | 5.7 | 8.6 | 32.9 | 25.8 | 14.3 | 15.7 | 15.7 | 27.2 | 40.1 | 42.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P849337
 CATALOG NUMBER: GLAN-SB6B-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2483.5 | 0° | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 | 2483.5 |
| 2486.3 | 2.5° | 2486.3 | 2484.9 | 2480.6 | 2476.3 | 2466.3 | 2460.6 | 2463.4 | 2460.6 | 2459.1 | 2460.6 |
| 2504.9 | 5° | 2504.9 | 2500.6 | 2489.2 | 2474.9 | 2454.8 | 2430.5 | 2414.8 | 2391.9 | 2370.4 | 2357.5 |
| 2555.0 | 7.5° | 2555.0 | 2550.7 | 2535.0 | 2494.9 | 2430.5 | 2328.9 | 2235.8 | 2154.2 | 2092.7 | 2056.9 |
| 2635.2 | 10° | 2635.2 | 2628.0 | 2603.7 | 2514.9 | 2346.0 | 2124.2 | 1939.5 | 1786.4 | 1686.2 | 1638.9 |
| 2729.7 | 12.5° | 2729.7 | 2721.1 | 2678.1 | 2496.3 | 2185.7 | 1839.3 | 1584.5 | 1414.2 | 1321.2 | 1279.7 |
| 2838.4 | 15° | 2841.3 | 2829.9 | 2745.4 | 2407.6 | 1952.4 | 1524.4 | 1291.1 | 1163.7 | 1103.6 | 1066.4 |
| 2977.3 | 17.5° | 2980.2 | 2960.1 | 2795.5 | 2274.5 | 1699.1 | 1284.0 | 1110.8 | 1014.9 | 961.9 | 926.1 |
| 3159.1 | 20° | 3160.5 | 3127.6 | 2835.6 | 2115.6 | 1465.7 | 1132.2 | 989.1 | 908.9 | 868.9 | 837.4 |
| 3416.7 | 22.5° | 3412.4 | 3365.2 | 2884.2 | 1943.8 | 1301.1 | 1027.7 | 898.9 | 840.2 | 807.3 | 771.5 |
| 3776.0 | 25° | 3724.5 | 3668.6 | 2944.4 | 1784.9 | 1188.1 | 937.6 | 833.1 | 784.4 | 745.8 | 704.2 |
| 4246.9 | 27.5° | 4161.0 | 4060.8 | 3015.9 | 1654.7 | 1090.7 | 860.3 | 772.9 | 718.6 | 674.2 | 639.8 |
| 4780.8 | 30° | 4647.7 | 4483.1 | 3078.9 | 1576.0 | 1002.0 | 788.7 | 694.2 | 639.8 | 598.3 | 574.0 |
| 5260.4 | 32.5° | 5108.6 | 4885.3 | 3120.4 | 1541.6 | 921.8 | 707.1 | 608.3 | 549.7 | 518.2 | 511.0 |
| 5729.8 | 35° | 5543.8 | 5248.9 | 3116.1 | 1508.7 | 850.2 | 625.5 | 523.9 | 463.8 | 439.4 | 443.7 |
| 6235.1 | 37.5° | 6044.8 | 5636.8 | 3086.1 | 1457.2 | 791.6 | 551.1 | 450.9 | 397.9 | 376.5 | 377.9 |
| 6849.2 | 40° | 6627.3 | 6084.8 | 3067.5 | 1359.8 | 727.1 | 482.4 | 390.8 | 347.8 | 332.1 | 326.4 |
| 7496.2 | 42.5° | 7248.6 | 6518.5 | 3070.3 | 1249.6 | 647.0 | 420.8 | 349.3 | 313.5 | 299.2 | 294.9 |
| 8216.2 | 45° | 7872.6 | 6932.2 | 3074.6 | 1135.1 | 562.5 | 373.6 | 319.2 | 289.1 | 280.6 | 274.8 |
| 8946.2 | 47.5° | 8459.5 | 7284.3 | 2994.5 | 1012.0 | 479.5 | 337.8 | 294.9 | 274.8 | 267.7 | 260.5 |
| 9679.1 | 50° | 9006.3 | 7519.1 | 2801.2 | 868.9 | 413.7 | 309.2 | 276.3 | 261.9 | 254.8 | 247.6 |
| 10343.2 | 52.5° | 9431.4 | 7556.3 | 2482.0 | 721.4 | 367.9 | 287.7 | 264.8 | 251.9 | 243.3 | 236.2 |
| 10880.0 | 55° | 9620.4 | 7323.0 | 2028.3 | 584.0 | 332.1 | 269.1 | 253.4 | 240.5 | 230.5 | 223.3 |
| 11302.2 | 57.5° | 9571.7 | 6832.0 | 1581.7 | 469.5 | 297.7 | 250.5 | 239.0 | 230.5 | 219.0 | 207.6 |
| 11644.3 | 60° | 9332.7 | 6175.0 | 1192.3 | 390.8 | 266.2 | 230.5 | 223.3 | 216.1 | 200.4 | 183.2 |
| 11776.0 | 62.5° | 8919.0 | 5349.1 | 850.2 | 323.5 | 231.9 | 207.6 | 204.7 | 199.0 | 176.1 | 144.6 |
| 11581.4 | 65° | 8286.3 | 4345.7 | 572.6 | 269.1 | 199.0 | 181.8 | 183.2 | 173.2 | 143.1 | 107.4 |
| 10868.5 | 67.5° | 7361.6 | 3177.7 | 366.4 | 220.4 | 166.0 | 151.7 | 153.2 | 147.4 | 121.7 | 91.6 |
| 9517.3 | 70° | 6183.6 | 2104.1 | 239.0 | 167.5 | 133.1 | 117.4 | 126.0 | 127.4 | 103.1 | 74.4 |
| 7304.4 | 72.5° | 4533.2 | 1242.4 | 167.5 | 124.5 | 97.3 | 81.6 | 103.1 | 105.9 | 83.0 | 55.8 |
| 4394.4 | 75° | 2583.7 | 589.7 | 126.0 | 90.2 | 60.1 | 57.3 | 80.2 | 80.2 | 57.3 | 37.2 |
| 1902.3 | 77.5° | 1085.0 | 246.2 | 88.7 | 58.7 | 34.4 | 32.9 | 54.4 | 50.1 | 28.6 | 17.2 |
| 463.8 | 80° | 313.5 | 110.2 | 47.2 | 28.6 | 14.3 | 12.9 | 21.5 | 15.7 | 7.2 | 2.9 |
| 176.1 | 82.5° | 123.1 | 48.7 | 18.6 | 11.5 | 5.7 | 5.7 | 2.9 | 0.0 | 0.0 | 0.0 |
| 100.2 | 85° | 73.0 | 20.0 | 8.6 | 4.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.5 | 87.5° | 18.6 | 4.3 | 2.9 | 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/> |
| 2483.5 |
| 2466.3 |
| 2360.4 |
| 2058.3 |
| 1634.6 |
| 1275.4 |
| 1067.8 |
| 923.2 |
| 831.6 |
| 765.8 |
| 699.9 |
| 632.7 |
| 569.7 |
| 515.3 |
| 443.7 |
| 383.6 |
| 324.9 |
| 293.4 |
| 274.8 |
| 260.5 |
| 247.6 |
| 234.7 |
| 221.9 |
| 206.1 |
| 180.4 |
| 141.7 |
| 104.5 |
| 87.3 |
| 71.6 |
| 53.0 |
| 34.4 |
| 17.2 |
| 2.9 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)