

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: P637793

Luminaire Tested: **IFLD-S-SA6C-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637793
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25808.3 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

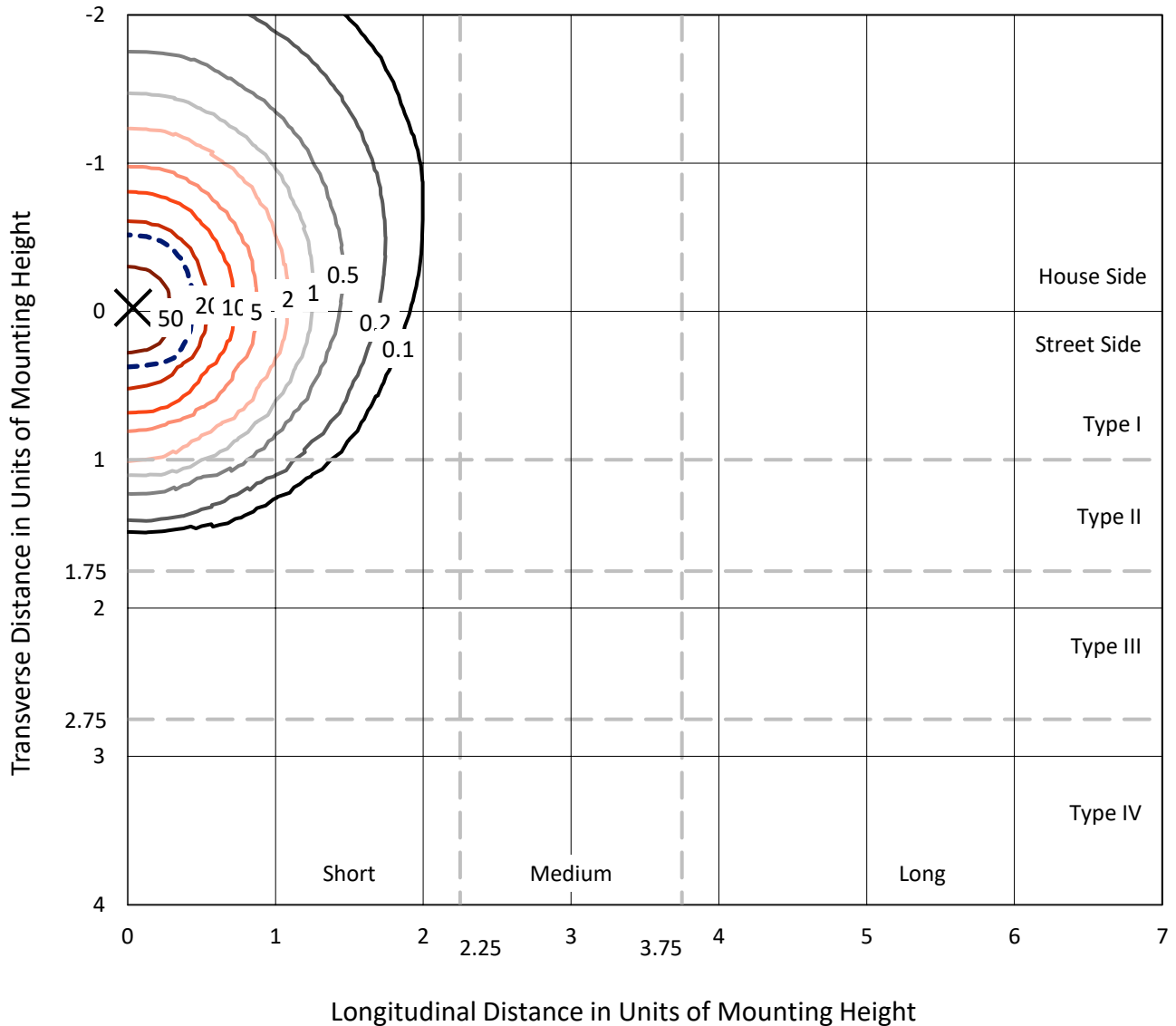
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

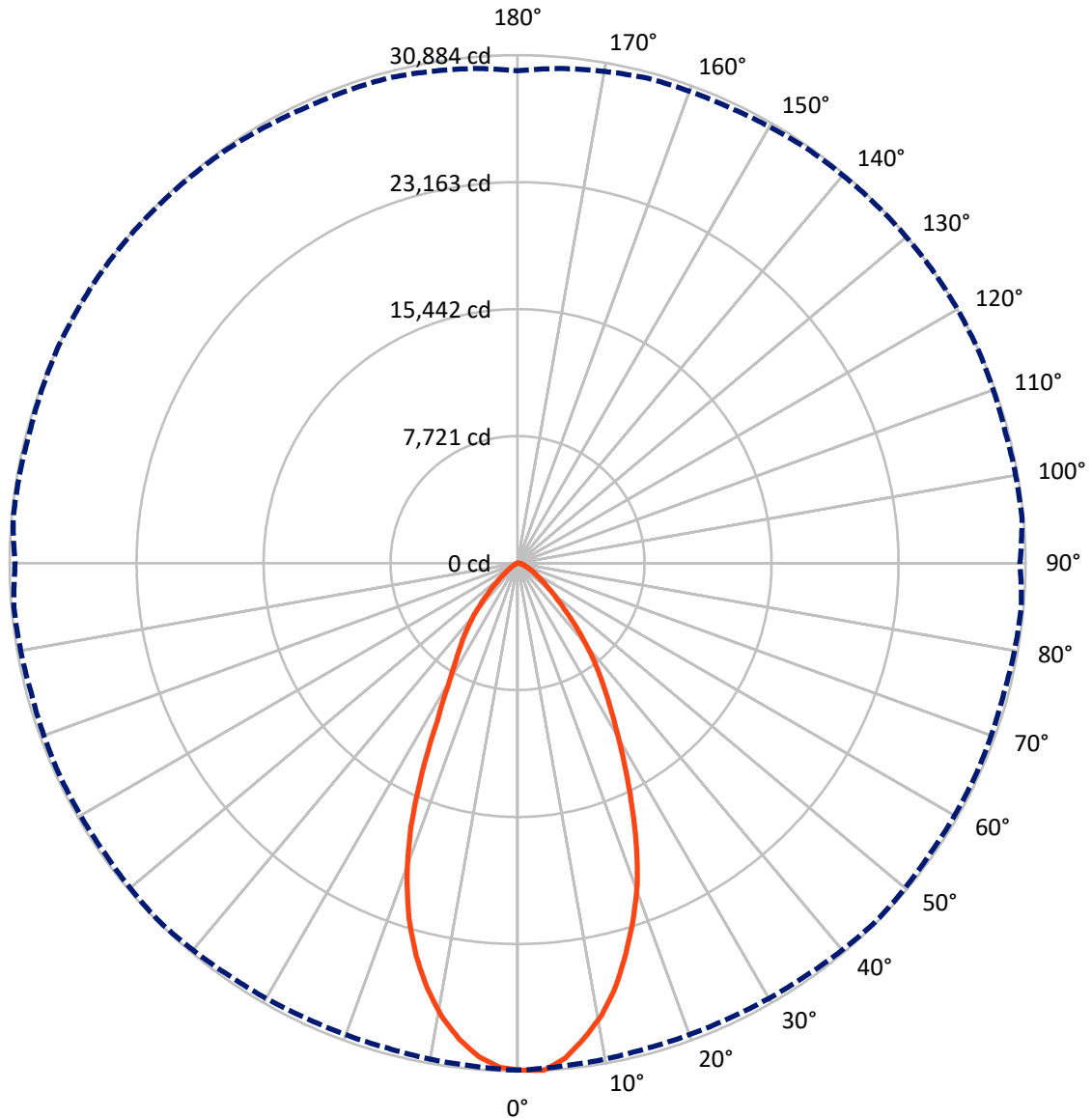
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 77.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14644.6 | 0.0 | 14644.6 |
| | % Fixture | 56.7 | 0.0 | 56.7 |
| Street Side | Lumens | 11163.6 | 0.0 | 11163.6 |
| | % Fixture | 43.3 | 0.0 | 43.3 |
| Total | Lumens | 25808.3 | 0.0 | 25808.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 2799.9 | 10.8 |
| 10°-20° | 6674.3 | 25.9 |
| 20°-30° | 6797.7 | 26.3 |
| 30°-40° | 5069.0 | 19.6 |
| 40°-50° | 2648.2 | 10.3 |
| 50°-60° | 1113.8 | 4.3 |
| 60°-70° | 454.9 | 1.8 |
| 70°-80° | 191.4 | 0.7 |
| 80°-90° | 59.0 | 0.2 |
| 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° | 25808.3 | 100.0 |
| 0°-180° | 25808.3 | 100.0 |



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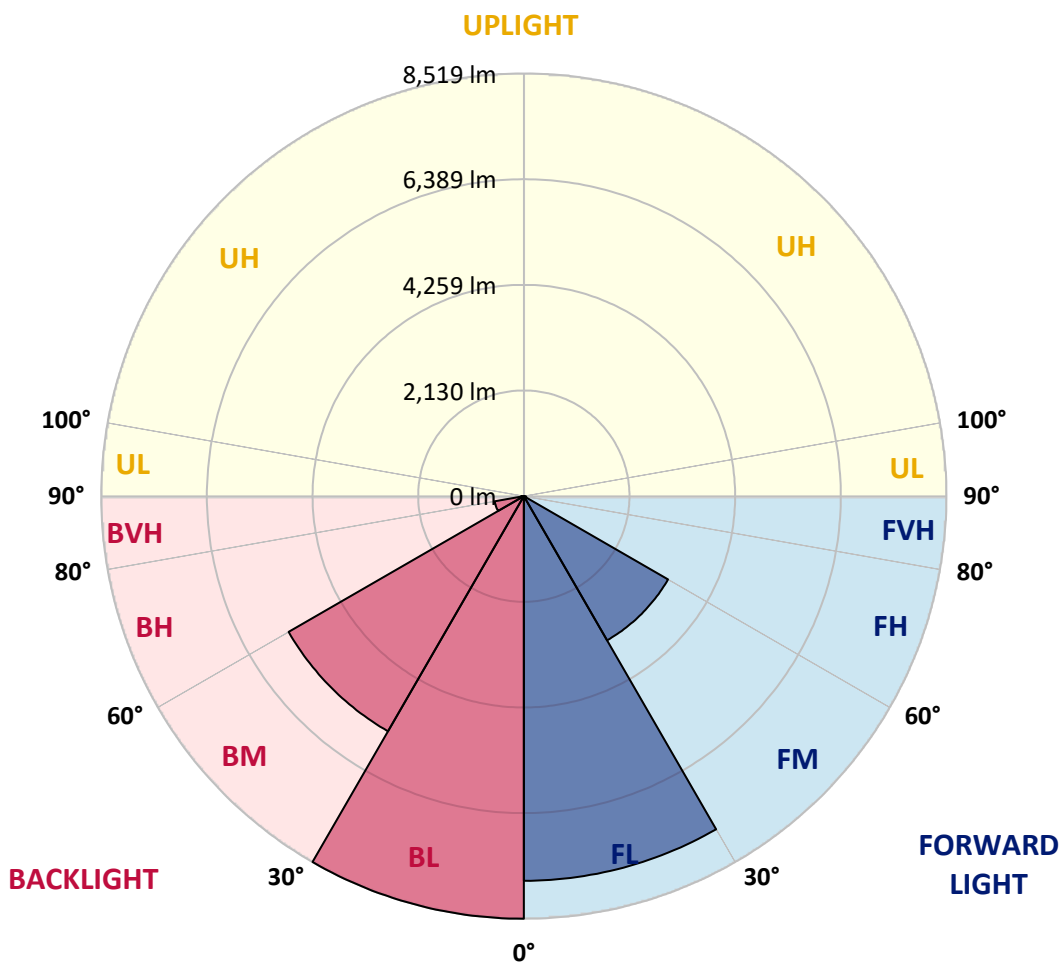
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 7753.1 | 30.0 | | | |
| FM (30°-60°) | 3356.5 | 13.0 | | | |
| FH (60°-80°) | 48.6 | 0.2 | | | G0/660 |
| FVH (80°-90°) | 5.5 | 0.0 | | | G0/10 |
| BL (0°-30°) | 8518.8 | 33.0 | B5 | | |
| BM (30°-60°) | 5474.6 | 21.2 | B4/8500 | | |
| BH (60°-80°) | 597.8 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 53.5 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 |
| 2.5° | 30837.9 | 30712.0 | 30532.9 | 30516.4 | 30609.2 | 30811.4 | 30682.1 | 30688.8 | 30609.2 | 30745.1 |
| 5° | 30353.9 | 30234.6 | 30111.9 | 29949.5 | 30085.4 | 30171.6 | 30105.3 | 30032.3 | 29929.6 | 30062.2 |
| 7.5° | 29438.9 | 29372.6 | 29190.3 | 29117.3 | 29200.2 | 29296.4 | 29153.8 | 29133.9 | 28991.4 | 29163.8 |
| 10° | 28039.9 | 28013.4 | 27834.4 | 27791.3 | 27864.2 | 28010.1 | 27947.1 | 27933.8 | 27844.3 | 27827.7 |
| 12.5° | 26587.9 | 26485.1 | 26263.0 | 26249.7 | 26359.1 | 26577.9 | 26408.8 | 26246.4 | 26296.1 | 26339.2 |
| 15° | 22848.3 | 22738.9 | 23289.2 | 24154.5 | 24608.7 | 24592.1 | 24641.8 | 24446.2 | 24386.6 | 24406.5 |
| 17.5° | 18163.9 | 17978.3 | 18177.2 | 19516.5 | 21674.7 | 22927.9 | 22583.1 | 22162.1 | 21936.6 | 21787.5 |
| 20° | 15677.6 | 15687.5 | 15651.0 | 15995.8 | 17341.8 | 20199.5 | 20116.6 | 19304.4 | 19009.3 | 18886.7 |
| 22.5° | 14165.8 | 14109.5 | 14029.9 | 14139.3 | 14500.7 | 16178.1 | 17302.0 | 16556.1 | 16453.3 | 16317.4 |
| 25° | 12683.9 | 12683.9 | 12587.8 | 12697.2 | 12800.0 | 12823.2 | 13950.3 | 14255.3 | 14056.4 | 14056.4 |
| 27.5° | 11401.0 | 11334.6 | 11291.6 | 11341.3 | 11205.4 | 10552.3 | 10694.8 | 12256.3 | 12120.3 | 12037.5 |
| 30° | 10127.9 | 10108.0 | 10035.1 | 10101.4 | 9597.5 | 8861.5 | 8563.1 | 10343.4 | 10486.0 | 10456.1 |
| 32.5° | 8360.9 | 8440.5 | 8765.4 | 8868.1 | 8006.2 | 7412.8 | 7127.7 | 8586.4 | 9156.6 | 9133.4 |
| 35° | 5682.2 | 5748.5 | 6119.8 | 7346.5 | 6637.0 | 6212.7 | 6129.8 | 6829.3 | 7767.5 | 7857.0 |
| 37.5° | 4525.2 | 4515.3 | 4621.4 | 4840.2 | 5334.1 | 5231.4 | 5208.2 | 5390.5 | 6335.3 | 6375.1 |
| 40° | 3729.6 | 3716.3 | 3713.0 | 3534.0 | 3411.3 | 4349.5 | 4286.5 | 4177.1 | 4996.0 | 5075.6 |
| 42.5° | 3006.9 | 3020.1 | 3030.1 | 2638.9 | 2459.9 | 3355.0 | 3318.5 | 3205.8 | 3918.6 | 4011.4 |
| 45° | 2360.4 | 2357.1 | 2377.0 | 1965.9 | 1916.2 | 2144.9 | 2479.8 | 2390.3 | 2957.2 | 3056.6 |
| 47.5° | 1223.3 | 1266.4 | 1534.9 | 1521.7 | 1544.9 | 1521.7 | 1876.4 | 1853.2 | 2224.5 | 2383.6 |
| 50° | 822.2 | 835.4 | 858.6 | 862.0 | 1216.7 | 1120.5 | 1273.0 | 1442.1 | 1558.1 | 1803.5 |
| 52.5° | 636.5 | 646.5 | 586.8 | 550.3 | 745.9 | 828.8 | 835.4 | 997.9 | 1087.4 | 1336.0 |
| 55° | 354.7 | 397.8 | 427.7 | 431.0 | 411.1 | 613.3 | 610.0 | 739.3 | 808.9 | 974.7 |
| 57.5° | 46.4 | 56.4 | 86.2 | 278.5 | 275.2 | 341.5 | 427.7 | 537.1 | 576.8 | 712.8 |
| 60° | 3.3 | 6.6 | 9.9 | 43.1 | 182.3 | 198.9 | 291.7 | 334.8 | 401.1 | 500.6 |
| 62.5° | 0.0 | 0.0 | 3.3 | 9.9 | 36.5 | 116.0 | 152.5 | 175.7 | 235.4 | 328.2 |
| 65° | 0.0 | 0.0 | 3.3 | 6.6 | 13.3 | 43.1 | 59.7 | 96.1 | 139.2 | 202.2 |
| 67.5° | 0.0 | 0.0 | 3.3 | 6.6 | 9.9 | 16.6 | 26.5 | 43.1 | 72.9 | 122.7 |
| 70° | 0.0 | 0.0 | 3.3 | 6.6 | 9.9 | 13.3 | 19.9 | 26.5 | 39.8 | 66.3 |
| 72.5° | 0.0 | 0.0 | 3.3 | 3.3 | 6.6 | 16.6 | 16.6 | 19.9 | 26.5 | 36.5 |
| 75° | 0.0 | 0.0 | 3.3 | 6.6 | 9.9 | 16.6 | 16.6 | 16.6 | 19.9 | 23.2 |
| 77.5° | 0.0 | 0.0 | 3.3 | 6.6 | 9.9 | 16.6 | 13.3 | 16.6 | 16.6 | 16.6 |
| 80° | 0.0 | 0.0 | 3.3 | 6.6 | 9.9 | 16.6 | 19.9 | 16.6 | 13.3 | 13.3 |
| 82.5° | 0.0 | 0.0 | 3.3 | 9.9 | 9.9 | 23.2 | 23.2 | 23.2 | 9.9 | 9.9 |
| 85° | 0.0 | 0.0 | 6.6 | 9.9 | 16.6 | 26.5 | 26.5 | 19.9 | 9.9 | 6.6 |
| 87.5° | 0.0 | 0.0 | 3.3 | 6.6 | 6.6 | 13.3 | 19.9 | 16.6 | 6.6 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: IFLD-S-SA6C-722-U-66-VI

CANDELA DISTRIBUTION (continued):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 30834.6 | 0° | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 | 30834.6 |
| 30546.2 | 2.5° | 30791.5 | 30708.6 | 30864.5 | 30884.3 | 30818.0 | 30735.2 | 30542.9 | 30526.3 | 30191.5 |
| 29869.9 | 5° | 30208.0 | 30072.1 | 30171.6 | 30237.9 | 30214.7 | 30125.2 | 30045.6 | 29972.7 | 29671.0 |
| 28772.6 | 7.5° | 29120.7 | 29070.9 | 29117.3 | 29167.1 | 29263.2 | 29167.1 | 29133.9 | 29057.7 | 28759.3 |
| 27691.8 | 10° | 27913.9 | 27821.1 | 27996.8 | 27973.6 | 27947.1 | 27920.6 | 27781.3 | 27794.6 | 27443.2 |
| 26219.9 | 12.5° | 26432.0 | 26276.2 | 26445.3 | 26465.2 | 26445.3 | 26352.5 | 26196.7 | 26263.0 | 25941.4 |
| 24230.8 | 15° | 24439.6 | 24423.0 | 24545.7 | 24625.3 | 24681.6 | 24582.2 | 24529.1 | 24562.3 | 24370.0 |
| 21671.4 | 17.5° | 21993.0 | 22208.5 | 22609.6 | 22745.5 | 22748.9 | 22851.6 | 22821.8 | 22782.0 | 22639.5 |
| 18836.9 | 20° | 19115.4 | 19529.8 | 20146.4 | 20779.6 | 20962.0 | 20875.8 | 20836.0 | 20908.9 | 20696.8 |
| 16174.8 | 22.5° | 16459.9 | 16814.7 | 17530.7 | 18455.7 | 18989.4 | 19042.5 | 19032.5 | 18969.5 | 18886.7 |
| 14043.2 | 25° | 14205.6 | 14520.5 | 15206.8 | 16052.2 | 17076.6 | 17229.1 | 17235.7 | 17215.8 | 17142.9 |
| 12110.4 | 27.5° | 12302.7 | 12683.9 | 13061.9 | 13817.7 | 14908.4 | 15538.3 | 15458.7 | 15435.5 | 15409.0 |
| 10479.3 | 30° | 10578.8 | 11059.5 | 11414.2 | 11885.0 | 12863.0 | 13715.0 | 13797.8 | 13758.1 | 13695.1 |
| 9130.0 | 32.5° | 9212.9 | 9498.0 | 9948.9 | 10267.2 | 10970.0 | 11934.7 | 12253.0 | 12223.1 | 12166.8 |
| 7913.4 | 35° | 8026.1 | 8138.8 | 8493.5 | 8848.3 | 9315.7 | 10250.6 | 10721.3 | 10655.0 | 10645.1 |
| 6448.1 | 37.5° | 6610.5 | 6988.4 | 7184.0 | 7542.1 | 7870.3 | 8596.3 | 9246.1 | 9216.2 | 9219.6 |
| 5185.0 | 40° | 5337.5 | 5556.3 | 5944.1 | 6245.8 | 6547.5 | 7077.9 | 7800.7 | 7820.5 | 7813.9 |
| 4014.7 | 42.5° | 4097.6 | 4309.8 | 4717.5 | 5045.7 | 5314.3 | 5642.5 | 6332.0 | 6355.2 | 6385.1 |
| 3126.2 | 45° | 3199.2 | 3335.1 | 3633.5 | 3974.9 | 4260.0 | 4458.9 | 4982.7 | 5131.9 | 5135.2 |
| 2423.4 | 47.5° | 2483.1 | 2638.9 | 2851.1 | 3179.3 | 3457.7 | 3600.3 | 3981.5 | 4183.8 | 4173.8 |
| 1859.8 | 50° | 1949.3 | 2091.9 | 2264.3 | 2522.9 | 2824.5 | 2937.3 | 3219.1 | 3418.0 | 3408.0 |
| 1402.3 | 52.5° | 1491.8 | 1674.2 | 1826.7 | 2025.6 | 2320.6 | 2416.8 | 2619.0 | 2847.8 | 2814.6 |
| 1027.7 | 55° | 1130.5 | 1316.1 | 1458.7 | 1624.4 | 1893.0 | 2015.6 | 2154.9 | 2337.2 | 2343.8 |
| 795.6 | 57.5° | 852.0 | 1044.3 | 1173.6 | 1342.7 | 1544.9 | 1680.8 | 1786.9 | 1982.5 | 1979.2 |
| 543.7 | 60° | 610.0 | 775.8 | 931.6 | 1107.3 | 1263.1 | 1418.9 | 1491.8 | 1677.5 | 1684.1 |
| 384.6 | 62.5° | 440.9 | 596.7 | 745.9 | 898.4 | 1037.7 | 1190.2 | 1256.5 | 1402.3 | 1422.2 |
| 252.0 | 65° | 308.3 | 417.7 | 590.1 | 706.1 | 862.0 | 974.7 | 1060.9 | 1186.8 | 1210.0 |
| 149.2 | 67.5° | 198.9 | 301.7 | 467.4 | 570.2 | 712.8 | 808.9 | 898.4 | 997.9 | 1027.7 |
| 96.1 | 70° | 119.3 | 228.7 | 348.1 | 457.5 | 586.8 | 673.0 | 759.2 | 845.4 | 862.0 |
| 46.4 | 72.5° | 76.2 | 159.1 | 252.0 | 371.3 | 470.8 | 563.6 | 639.8 | 702.8 | 653.1 |
| 29.8 | 75° | 43.1 | 109.4 | 198.9 | 291.7 | 381.2 | 470.8 | 533.7 | 566.9 | 454.2 |
| 19.9 | 77.5° | 26.5 | 79.6 | 162.4 | 235.4 | 295.1 | 377.9 | 417.7 | 437.6 | 324.9 |
| 13.3 | 80° | 16.6 | 59.7 | 135.9 | 192.3 | 192.3 | 278.5 | 324.9 | 341.5 | 235.4 |
| 9.9 | 82.5° | 13.3 | 43.1 | 106.1 | 145.9 | 129.3 | 208.9 | 255.3 | 258.6 | 165.8 |
| 6.6 | 85° | 9.9 | 33.2 | 66.3 | 96.1 | 89.5 | 145.9 | 149.2 | 165.8 | 109.4 |
| 6.6 | 87.5° | 6.6 | 19.9 | 39.8 | 56.4 | 49.7 | 69.6 | 79.6 | 89.5 | 59.7 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



180°
30834.6
29929.6
29429.0
28696.3
27323.8
25848.6
24137.9
22427.3
20544.3
18727.5
16897.5
15253.2
13615.5
12017.6
10535.7
9113.5
7697.9
6285.6
5049.0
4137.4
3408.0
2817.9
2343.8
1972.5
1667.5
1415.6
1203.4
1024.4
848.7
606.7
431.0
305.0
218.8
152.5
99.5
53.0
0.0

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