

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: P525291

Luminaire Tested: **IFLD-S-SA6B-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525291
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

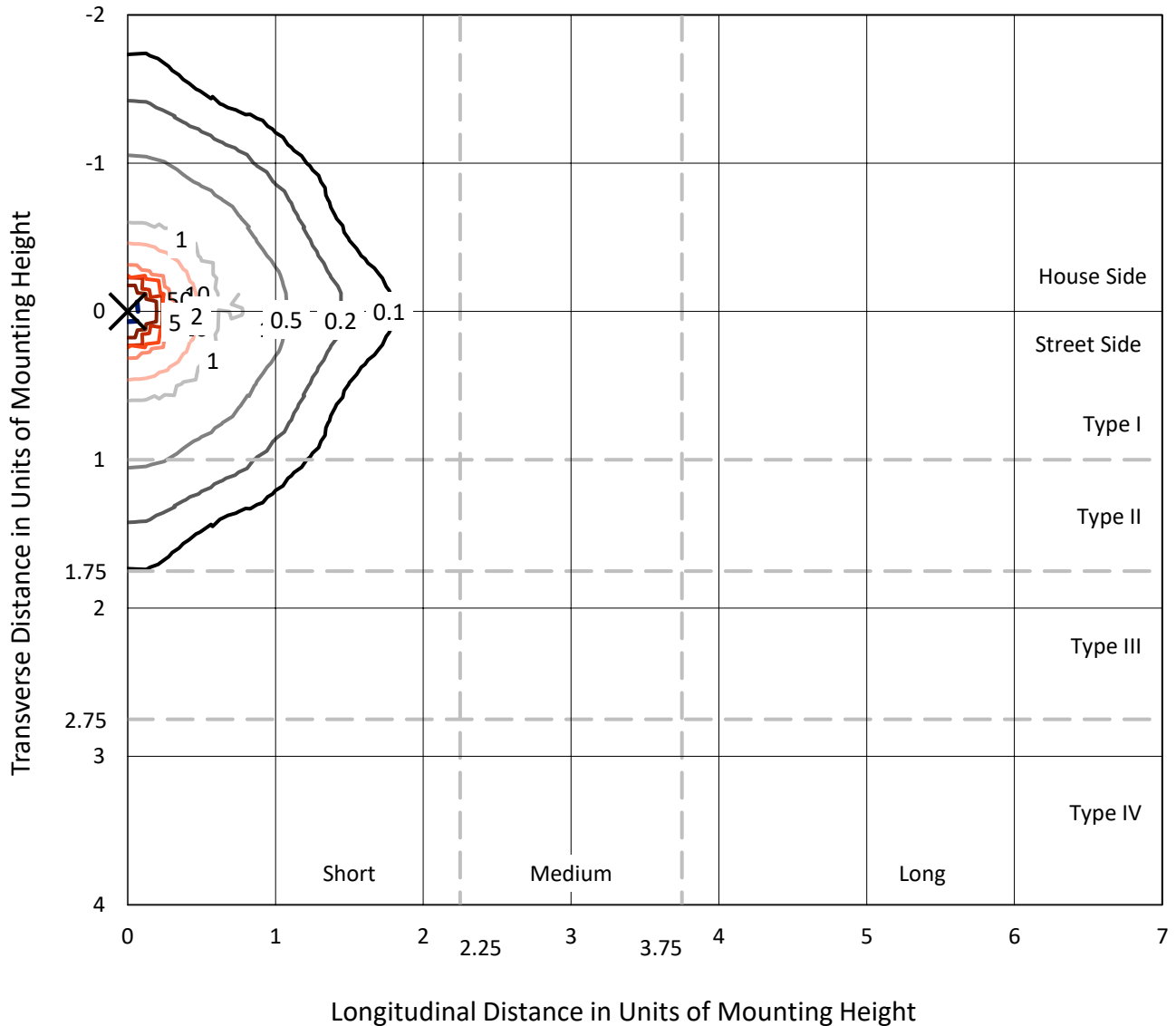
Lumens per Lamp: N/A
Luminaire Lumens: 12328 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 244.9
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

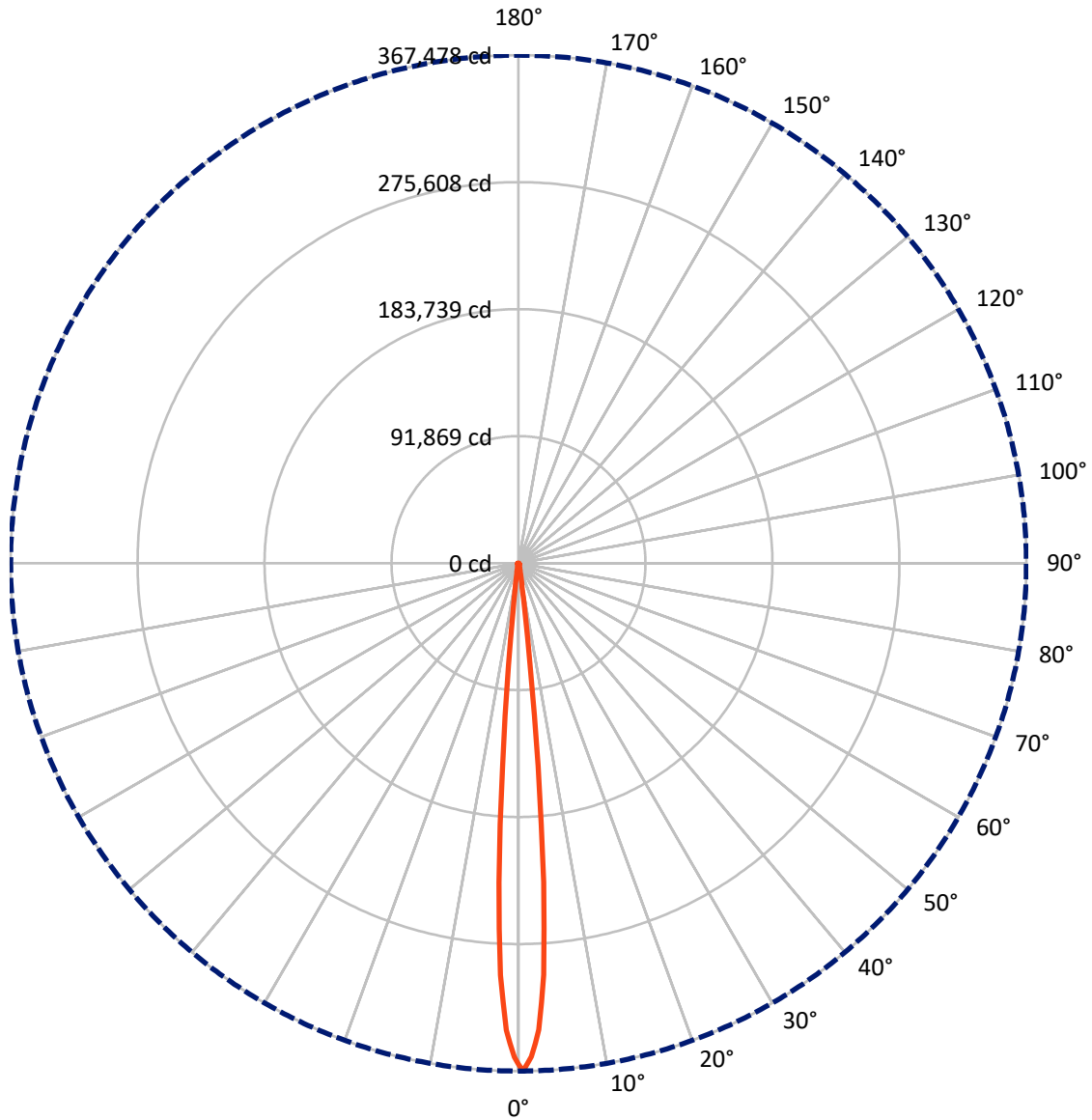
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 918.7 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6B-930-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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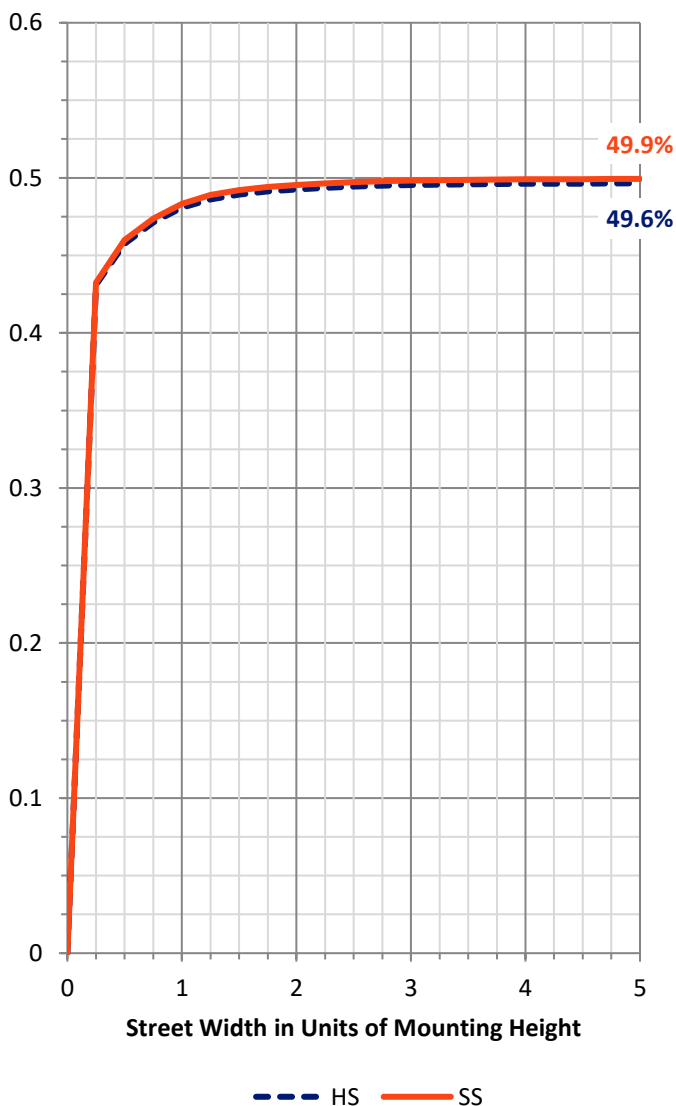
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6164.0 | 0.0 | 6164.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6164.0 | 0.0 | 6164.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12328.0 | 0.0 | 12328.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 9467.9 | 76.8 |
| 10°-20° | 923.5 | 7.5 |
| 20°-30° | 493.4 | 4.0 |
| 30°-40° | 406.9 | 3.3 |
| 40°-50° | 453.1 | 3.7 |
| 50°-60° | 304.7 | 2.5 |
| 60°-70° | 194.4 | 1.6 |
| 70°-80° | 76.8 | 0.6 |
| 80°-90° | 7.5 | 0.1 |
| 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° | 12328.0 | 100.0 |
| 0°-180° | 12328.0 | 100.0 |

Coefficient of Utilization



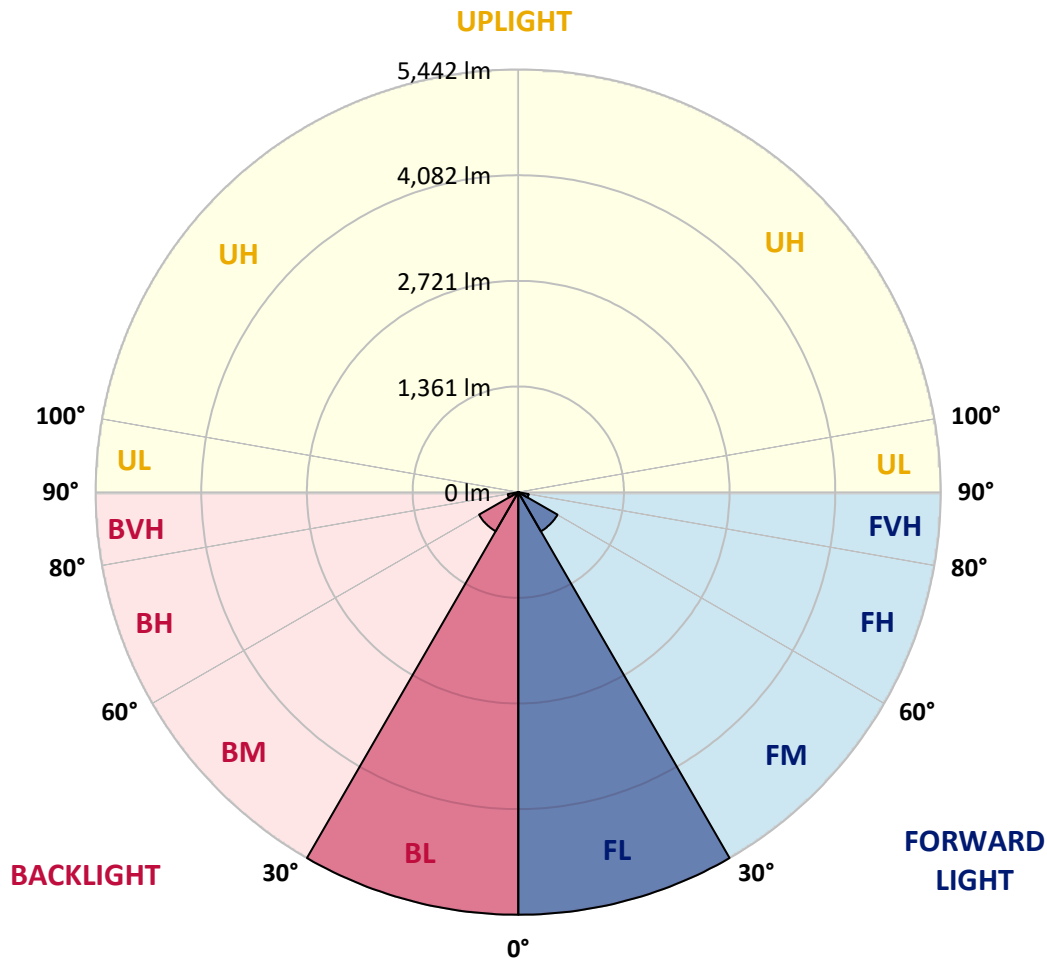
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 5442.3 | 44.1 | | | |
| FM (30°-60°) | 582.3 | 4.7 | | | |
| FH (60°-80°) | 135.6 | 1.1 | | | G0/660 |
| FVH (80°-90°) | 3.8 | 0.0 | | | G0/10 |
| BL (0°-30°) | 5442.3 | 44.1 | B5 | | |
| BM (30°-60°) | 582.3 | 4.7 | B1/1000 | | |
| BH (60°-80°) | 135.6 | 1.1 | B1/500 | | G0/660 |
| BVH (80°-90°) | 3.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0° | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 | 367477.6 |
| 1° | 357264.4 | 357885.7 | 357997.8 | 357258.0 | 355371.6 | 355816.8 | 355759.1 | 355858.4 | 355672.7 | 354494.1 |
| 2° | 337920.4 | 338839.6 | 337872.4 | 335797.1 | 331499.1 | 330474.3 | 327050.6 | 323229.9 | 319162.5 | 315085.6 |
| 3° | 298435.0 | 300369.4 | 298989.1 | 301205.3 | 292487.7 | 291607.0 | 284407.5 | 274914.8 | 265294.1 | 257498.9 |
| 4° | 231387.7 | 234961.9 | 235435.9 | 242750.7 | 235589.6 | 237828.2 | 229603.8 | 216415.4 | 202022.7 | 191012.0 |
| 5° | 147491.3 | 152474.6 | 155286.5 | 162146.6 | 165445.3 | 174034.8 | 170028.3 | 156791.8 | 140160.4 | 127494.0 |
| 6° | 74522.3 | 77234.9 | 84790.0 | 92332.2 | 100755.1 | 112153.3 | 113697.0 | 102077.8 | 88841.3 | 76684.1 |
| 7° | 34739.1 | 35860.0 | 41189.2 | 42796.9 | 52427.3 | 64792.7 | 66522.1 | 60152.0 | 53170.3 | 43748.1 |
| 8° | 17950.8 | 18386.4 | 20333.6 | 21528.2 | 27145.6 | 34258.7 | 35472.5 | 31462.8 | 28606.0 | 23866.1 |
| 9° | 11055.5 | 11247.7 | 11977.9 | 12246.9 | 14347.8 | 17512.0 | 17941.2 | 16263.0 | 15488.0 | 13851.4 |
| 10° | 7667.1 | 7769.6 | 8112.3 | 8182.8 | 8884.1 | 9925.0 | 9963.4 | 9412.6 | 9425.4 | 9015.4 |
| 12.5° | 4086.6 | 4118.6 | 4214.7 | 4224.3 | 4358.8 | 4467.7 | 4442.1 | 4445.3 | 4499.7 | 4445.3 |
| 15° | 2613.4 | 2629.4 | 2687.0 | 2699.8 | 2770.3 | 2808.7 | 2789.5 | 2786.3 | 2805.5 | 2770.3 |
| 17.5° | 1863.9 | 1873.5 | 1915.2 | 1950.4 | 1995.2 | 2008.1 | 2001.7 | 1995.2 | 1995.2 | 1963.2 |
| 20° | 1454.0 | 1466.8 | 1495.6 | 1530.9 | 1553.3 | 1575.7 | 1578.9 | 1575.7 | 1566.1 | 1550.1 |
| 22.5° | 1236.2 | 1242.6 | 1252.2 | 1268.2 | 1284.3 | 1293.9 | 1300.3 | 1303.5 | 1300.3 | 1293.9 |
| 25° | 1076.1 | 1082.5 | 1101.7 | 1111.3 | 1111.3 | 1114.5 | 1127.3 | 1133.7 | 1136.9 | 1124.1 |
| 27.5° | 794.3 | 810.3 | 839.1 | 855.1 | 855.1 | 861.5 | 871.1 | 883.9 | 896.7 | 874.3 |
| 30° | 614.9 | 627.7 | 659.7 | 659.7 | 656.5 | 662.9 | 672.6 | 691.8 | 711.0 | 685.4 |
| 32.5° | 554.1 | 554.1 | 560.5 | 563.7 | 563.7 | 573.3 | 579.7 | 595.7 | 611.7 | 605.3 |
| 35° | 579.7 | 563.7 | 544.4 | 544.4 | 550.9 | 570.1 | 573.3 | 589.3 | 605.3 | 627.7 |
| 37.5° | 842.3 | 794.3 | 723.8 | 711.0 | 711.0 | 733.4 | 723.8 | 733.4 | 762.2 | 845.5 |
| 40° | 765.4 | 727.0 | 685.4 | 627.7 | 627.7 | 659.7 | 637.3 | 650.1 | 717.4 | 768.6 |
| 42.5° | 682.2 | 682.2 | 637.3 | 582.9 | 582.9 | 598.9 | 592.5 | 598.9 | 675.8 | 717.4 |
| 45° | 630.9 | 630.9 | 618.1 | 531.6 | 544.4 | 554.1 | 554.1 | 554.1 | 656.5 | 669.4 |
| 47.5° | 602.1 | 602.1 | 570.1 | 490.0 | 506.0 | 509.2 | 515.6 | 509.2 | 589.3 | 634.1 |
| 50° | 538.0 | 544.4 | 490.0 | 432.4 | 451.6 | 451.6 | 461.2 | 448.4 | 509.2 | 582.9 |
| 52.5° | 464.4 | 470.8 | 387.5 | 342.7 | 365.1 | 361.9 | 374.7 | 355.5 | 403.5 | 506.0 |
| 55° | 413.1 | 409.9 | 320.3 | 278.6 | 304.3 | 301.0 | 307.5 | 285.0 | 326.7 | 435.6 |
| 57.5° | 358.7 | 365.1 | 262.6 | 227.4 | 256.2 | 249.8 | 259.4 | 233.8 | 269.0 | 387.5 |
| 60° | 317.1 | 326.7 | 224.2 | 192.2 | 221.0 | 214.6 | 224.2 | 195.4 | 230.6 | 349.1 |
| 62.5° | 304.3 | 304.3 | 198.6 | 163.3 | 192.2 | 185.8 | 192.2 | 163.3 | 205.0 | 320.3 |
| 65° | 361.9 | 342.7 | 179.3 | 134.5 | 163.3 | 156.9 | 163.3 | 134.5 | 179.3 | 307.5 |
| 67.5° | 480.4 | 458.0 | 169.7 | 105.7 | 131.3 | 121.7 | 131.3 | 108.9 | 156.9 | 288.2 |
| 70° | 249.8 | 265.8 | 169.7 | 83.3 | 99.3 | 99.3 | 96.1 | 83.3 | 131.3 | 211.4 |
| 72.5° | 144.1 | 147.3 | 131.3 | 64.1 | 76.9 | 83.3 | 73.7 | 64.1 | 96.1 | 156.9 |
| 75° | 80.1 | 89.7 | 83.3 | 48.0 | 57.6 | 64.1 | 54.4 | 48.0 | 67.3 | 112.1 |
| 77.5° | 48.0 | 54.4 | 48.0 | 32.0 | 38.4 | 35.2 | 38.4 | 32.0 | 44.8 | 73.7 |
| 80° | 25.6 | 25.6 | 25.6 | 19.2 | 19.2 | 22.4 | 22.4 | 19.2 | 25.6 | 38.4 |
| 82.5° | 9.6 | 9.6 | 9.6 | 6.4 | 9.6 | 9.6 | 9.6 | 12.8 | 12.8 | 16.0 |
| 85° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C



90°
367477.6
355656.6
317433.1
260454.9
193564.5
129117.7
77593.6
44888.2
24509.8
14206.9
9204.4
4506.1
2795.9
1972.8
1553.3
1297.1
1124.1
871.1
679.0
605.3
640.5
887.1
816.7
720.6
666.1
624.5
576.5
493.2
429.2
377.9
339.5
317.1
307.5
285.0
208.2
153.7
99.3
54.4
32.0
16.0
3.2
3.2
0.0

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