

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: P635964

Luminaire Tested: **IFLD-S-SA6A-950-U-11-VI**

Issue Date: 01/17/2023

### Test Information

Test Method: LM-79-08  
Report Number: P635964  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-950-U-11-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor  
Light Source: (96) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14321.4 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6  
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



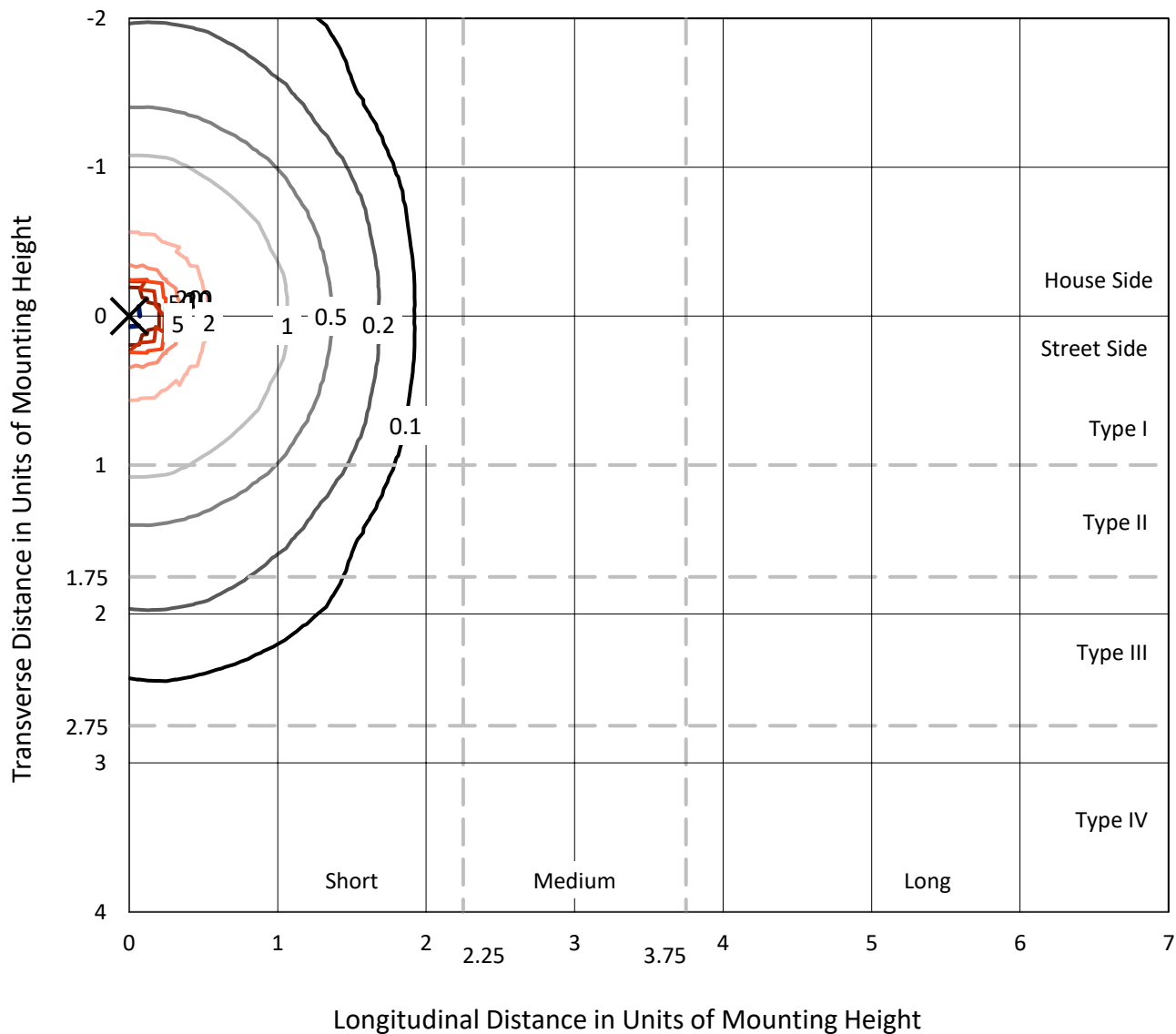
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

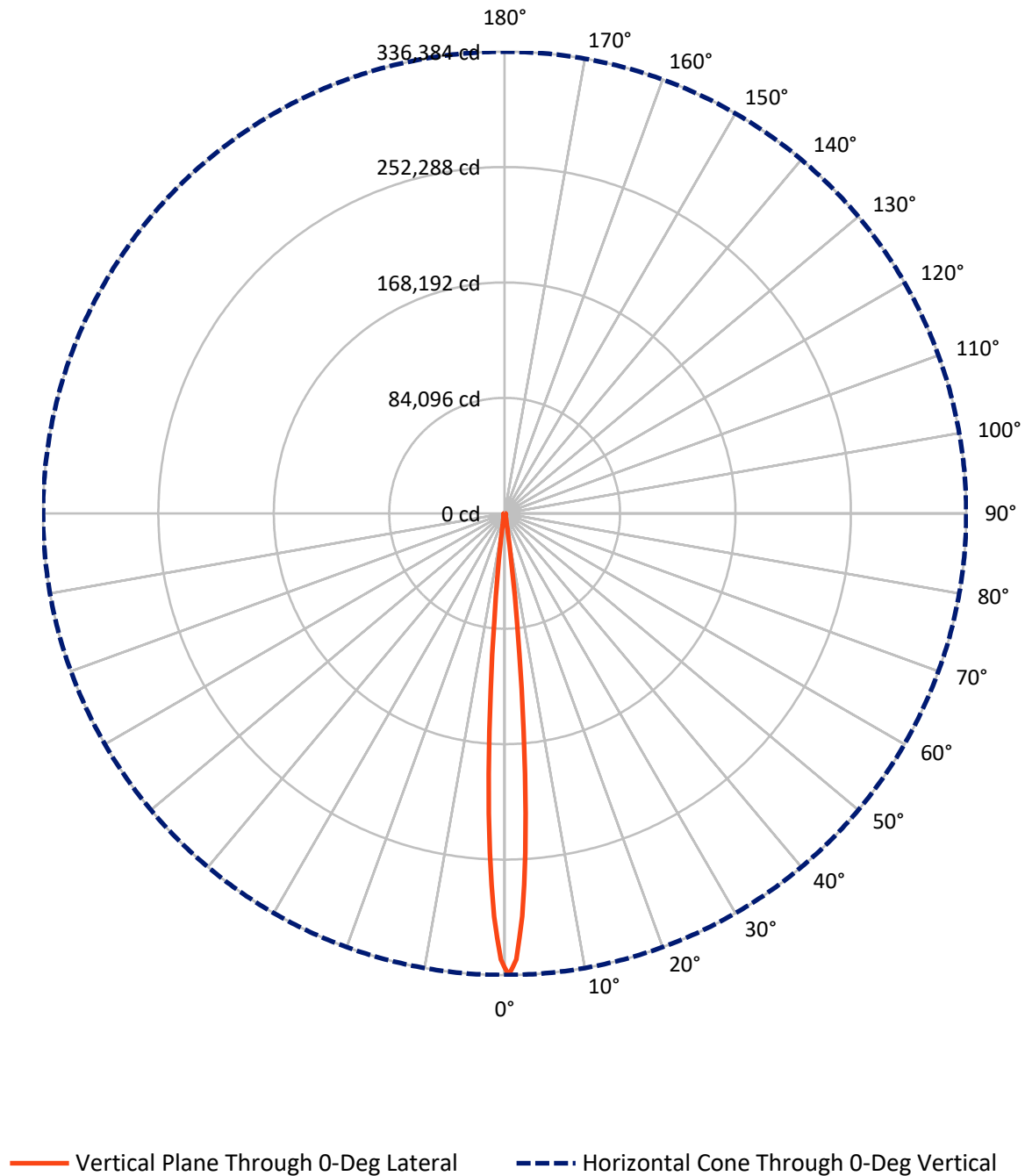


Based on 20 foot mounting height. Maximum calculated value = 841 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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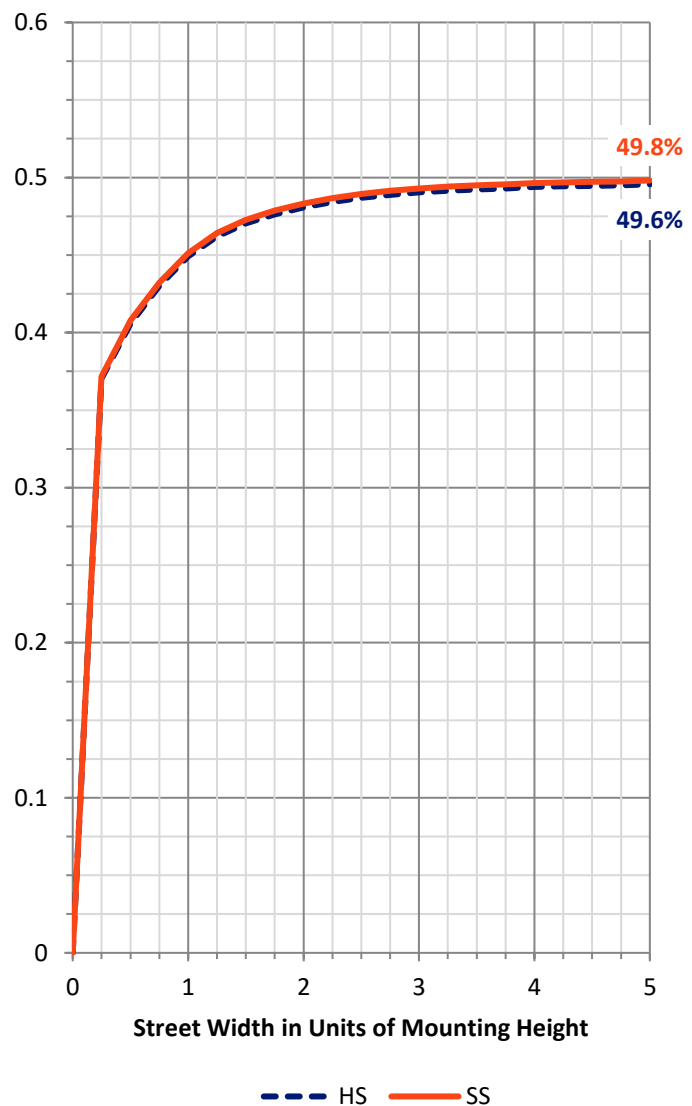
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7160.7   | 0.0    | 7160.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7160.7   | 0.0    | 7160.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 14321.4  | 0.0    | 14321.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 9039.3  | 63.1      |
| 10°-20°   | 1117.1  | 7.8       |
| 20°-30°   | 669.3   | 4.7       |
| 30°-40°   | 719.7   | 5.0       |
| 40°-50°   | 967.7   | 6.8       |
| 50°-60°   | 862.6   | 6.0       |
| 60°-70°   | 569.8   | 4.0       |
| 70°-80°   | 282.5   | 2.0       |
| 80°-90°   | 93.3    | 0.7       |
| 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°    | 14321.4 | 100.0     |
| 0°-180°   | 14321.4 | 100.0     |

**Coefficient of Utilization**



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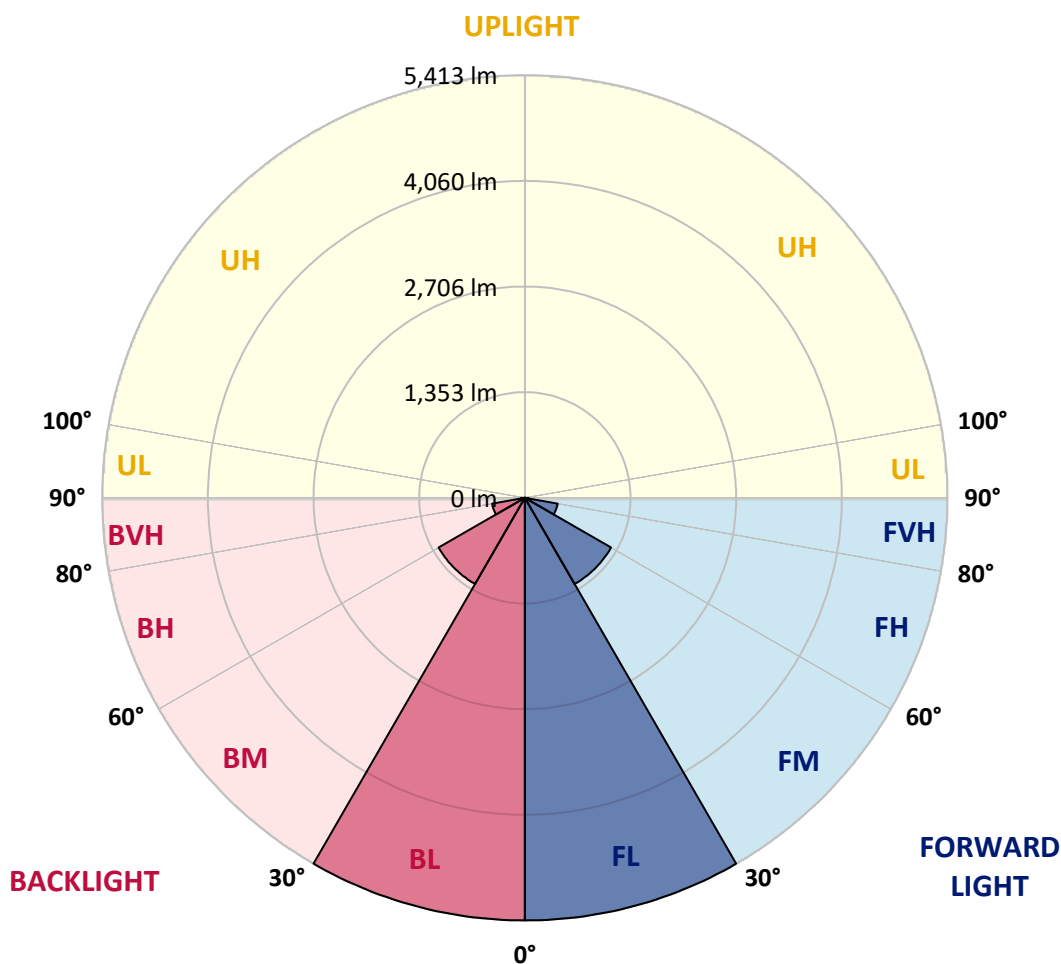
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 5412.9 | 37.8      |                         |      |        |
| FM   | (30°-60°)   | 1275.0 | 8.9       |                         |      |        |
| FH   | (60°-80°)   | 426.1  | 3.0       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 46.6   | 0.3       |                         |      | G1/100 |
| BL   | (0°-30°)    | 5412.9 | 37.8      | B5                      |      |        |
| BM   | (30°-60°)   | 1275.0 | 8.9       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 426.1  | 3.0       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 46.6   | 0.3       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°       | 5°       | 15°      | 25°      | 35°      | 45°      | 55°      | 65°      | 75°      | 85°      |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0°    | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 | 336384.0 |
| 1°    | 325108.9 | 321771.9 | 323488.3 | 325128.7 | 327429.3 | 328442.6 | 329475.7 | 330248.0 | 330234.8 | 331508.9 |
| 2°    | 294059.5 | 288682.8 | 291174.8 | 294231.2 | 300142.7 | 301839.2 | 304674.5 | 308183.1 | 308397.6 | 311572.9 |
| 3°    | 247856.8 | 240308.2 | 243978.6 | 249421.3 | 259221.0 | 261755.9 | 266300.9 | 269509.2 | 268076.7 | 271793.3 |
| 4°    | 190197.5 | 180348.3 | 185956.2 | 194013.1 | 203552.0 | 213229.6 | 213421.0 | 215721.6 | 210998.3 | 210770.6 |
| 5°    | 128320.0 | 119635.9 | 126831.4 | 136908.3 | 145150.0 | 151913.1 | 156078.5 | 156365.7 | 151259.6 | 150794.2 |
| 6°    | 78262.1  | 72515.6  | 78777.0  | 89441.4  | 100858.4 | 103670.6 | 104307.6 | 102861.9 | 96164.9  | 92458.2  |
| 7°    | 43255.2  | 40911.7  | 47031.2  | 53394.9  | 62296.7  | 66412.7  | 63564.2  | 58943.3  | 56893.6  | 52480.6  |
| 8°    | 23853.9  | 22698.7  | 24444.7  | 29943.6  | 36851.9  | 39555.2  | 36805.7  | 32006.5  | 28550.8  | 27329.5  |
| 9°    | 14381.0  | 13740.7  | 14453.6  | 16546.2  | 19530.0  | 21404.8  | 19830.4  | 17467.1  | 16008.2  | 15602.2  |
| 10°   | 9552.1   | 9301.3   | 9604.9   | 10311.3  | 11384.0  | 11931.9  | 11539.1  | 10601.7  | 10159.4  | 10133.0  |
| 12.5° | 5013.7   | 4967.5   | 5043.4   | 5122.6   | 5307.5   | 5337.2   | 5267.9   | 5201.8   | 5099.5   | 5139.1   |
| 15°   | 3228.1   | 3185.1   | 3264.4   | 3366.7   | 3412.9   | 3442.6   | 3445.9   | 3409.6   | 3340.3   | 3307.3   |
| 17.5° | 2353.4   | 2363.3   | 2369.9   | 2429.3   | 2518.4   | 2587.7   | 2558.0   | 2518.4   | 2439.2   | 2399.6   |
| 20°   | 1937.5   | 1940.8   | 1954.0   | 1987.0   | 2016.7   | 2112.4   | 2082.7   | 2023.3   | 1947.4   | 1917.7   |
| 22.5° | 1656.9   | 1663.5   | 1670.1   | 1689.9   | 1696.5   | 1722.9   | 1726.2   | 1673.4   | 1630.5   | 1614.0   |
| 25°   | 1458.9   | 1458.9   | 1468.8   | 1485.3   | 1491.9   | 1472.1   | 1475.4   | 1452.3   | 1412.7   | 1392.9   |
| 27.5° | 1237.7   | 1244.4   | 1254.3   | 1260.9   | 1247.7   | 1224.5   | 1194.8   | 1214.6   | 1194.8   | 1148.6   |
| 30°   | 1102.4   | 1109.0   | 1138.7   | 1118.9   | 1089.2   | 1059.5   | 1043.0   | 1069.4   | 1072.7   | 1033.1   |
| 32.5° | 1092.5   | 1095.8   | 1105.7   | 1095.8   | 1059.5   | 1023.2   | 1000.1   | 1029.8   | 1036.4   | 1019.9   |
| 35°   | 1142.0   | 1132.1   | 1145.3   | 1151.9   | 1115.6   | 1076.0   | 1046.3   | 1072.7   | 1092.5   | 1099.1   |
| 37.5° | 1383.0   | 1326.9   | 1284.0   | 1270.8   | 1247.7   | 1221.2   | 1181.6   | 1188.2   | 1224.5   | 1257.6   |
| 40°   | 1317.0   | 1303.8   | 1287.3   | 1244.4   | 1201.4   | 1234.4   | 1188.2   | 1175.0   | 1257.6   | 1264.2   |
| 42.5° | 1307.1   | 1317.0   | 1303.8   | 1251.0   | 1208.0   | 1241.1   | 1231.1   | 1191.5   | 1274.1   | 1264.2   |
| 45°   | 1313.7   | 1323.6   | 1353.3   | 1264.2   | 1227.8   | 1244.4   | 1264.2   | 1221.2   | 1303.8   | 1270.8   |
| 47.5° | 1260.9   | 1274.1   | 1307.1   | 1257.6   | 1234.4   | 1231.1   | 1260.9   | 1221.2   | 1264.2   | 1260.9   |
| 50°   | 1191.5   | 1204.7   | 1214.6   | 1171.7   | 1214.6   | 1191.5   | 1194.8   | 1178.3   | 1178.3   | 1184.9   |
| 52.5° | 1102.4   | 1115.6   | 1125.5   | 1076.0   | 1102.4   | 1112.3   | 1072.7   | 1069.4   | 1039.7   | 1049.6   |
| 55°   | 993.5    | 1013.3   | 1023.2   | 1003.4   | 990.2    | 1010.0   | 953.9    | 947.3    | 887.9    | 891.2    |
| 57.5° | 868.1    | 887.9    | 897.8    | 920.9    | 911.0    | 871.4    | 838.4    | 812.0    | 746.0    | 719.5    |
| 60°   | 894.5    | 914.3    | 894.5    | 828.5    | 828.5    | 739.3    | 709.6    | 653.5    | 587.5    | 554.5    |
| 62.5° | 864.8    | 891.2    | 887.9    | 818.6    | 736.0    | 623.8    | 571.0    | 511.6    | 445.6    | 402.7    |
| 65°   | 815.3    | 841.7    | 828.5    | 782.3    | 703.0    | 534.7    | 455.5    | 396.1    | 313.6    | 303.7    |
| 67.5° | 732.7    | 772.4    | 746.0    | 716.2    | 653.5    | 485.2    | 363.1    | 297.1    | 227.7    | 227.7    |
| 70°   | 607.3    | 637.0    | 653.5    | 620.5    | 584.2    | 455.5    | 310.3    | 227.7    | 165.0    | 125.4    |
| 72.5° | 488.5    | 514.9    | 541.3    | 524.8    | 491.8    | 412.6    | 277.3    | 181.5    | 118.8    | 72.6     |
| 75°   | 270.7    | 280.6    | 290.5    | 330.1    | 376.3    | 336.7    | 254.2    | 158.4    | 99.0     | 56.1     |
| 77.5° | 207.9    | 217.8    | 240.9    | 221.1    | 204.6    | 260.8    | 277.3    | 184.8    | 85.8     | 39.6     |
| 80°   | 161.7    | 174.9    | 247.5    | 204.6    | 174.9    | 198.0    | 237.6    | 161.7    | 56.1     | 19.8     |
| 82.5° | 122.1    | 132.0    | 174.9    | 194.7    | 184.8    | 148.5    | 128.7    | 108.9    | 49.5     | 13.2     |
| 85°   | 89.1     | 102.3    | 122.1    | 108.9    | 105.6    | 105.6    | 141.9    | 95.7     | 36.3     | 9.9      |
| 87.5° | 52.8     | 52.8     | 56.1     | 52.8     | 49.5     | 49.5     | 56.1     | 46.2     | 23.1     | 6.6      |
| 90°   | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      |

(END C



90°

336384.0

328947.6  
308767.3  
267819.3  
209767.2  
148909.5  
92781.7  
50407.8  
26220.5  
15051.0  
9819.5  
4990.6  
3254.5  
2356.7  
1884.7  
1594.2  
1376.4  
1151.9  
1019.9  
1010.0  
1099.1  
1287.3  
1274.1  
1257.6  
1260.9  
1254.3  
1161.8  
1033.1  
868.1  
703.0  
528.1  
396.1  
303.7  
201.3  
112.2  
69.3  
49.5  
19.8  
13.2  
9.9  
6.6  
6.6  
0.0

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