

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: P525410

Luminaire Tested: **IFLD-S-SA6D-950-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525410  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-950-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

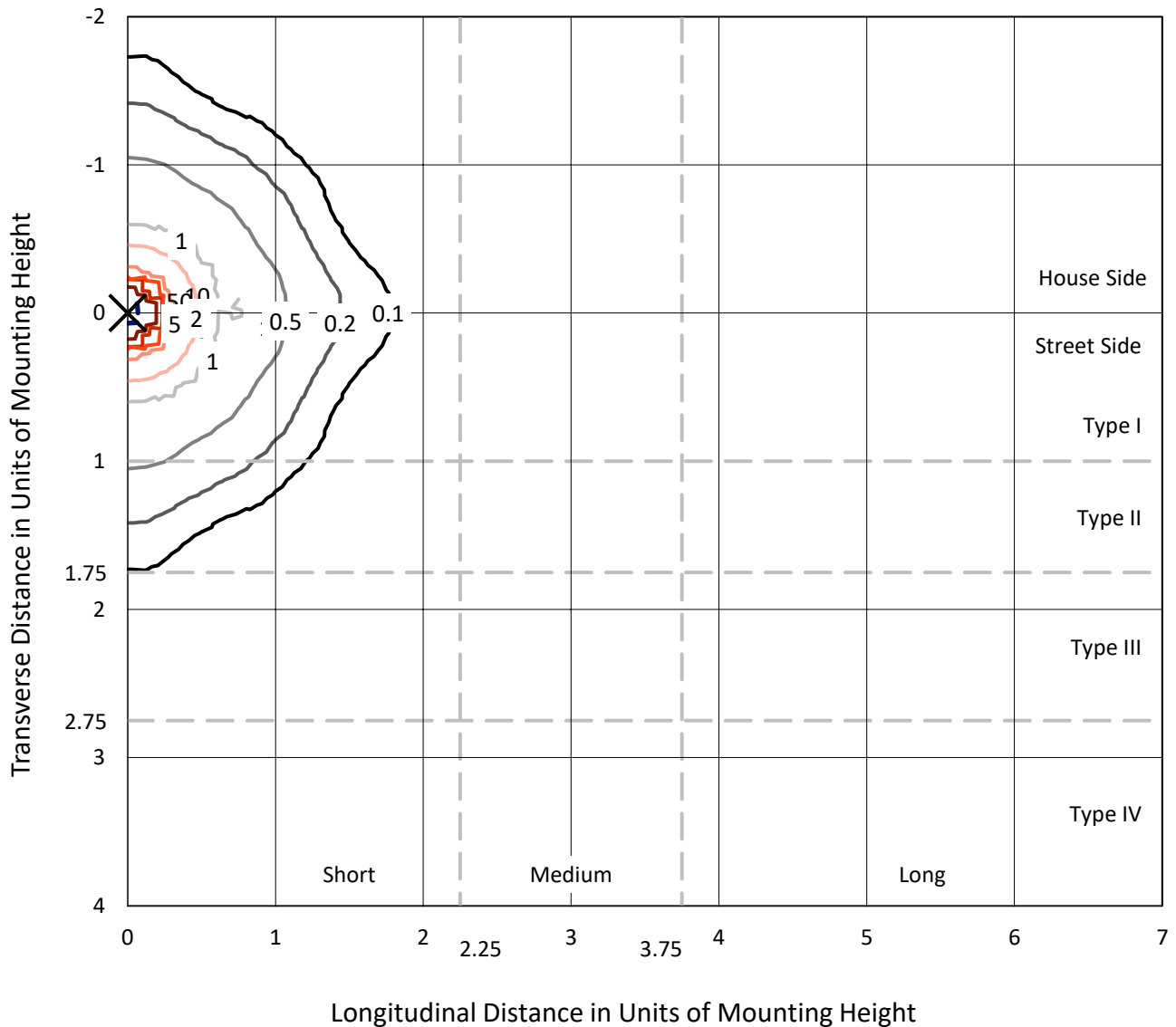
Lumens per Lamp: N/A  
Luminaire Lumens: 19065.6 lumens  
Efficiency: N/A  
Efficacy: 51.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 368.2  
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

REPORT NUMBER: P525410  
 CATALOG NUMBER: IFLD-S-SA6D-950-U-11

### Iso-Footcandle Lines of Horizontal Illumination

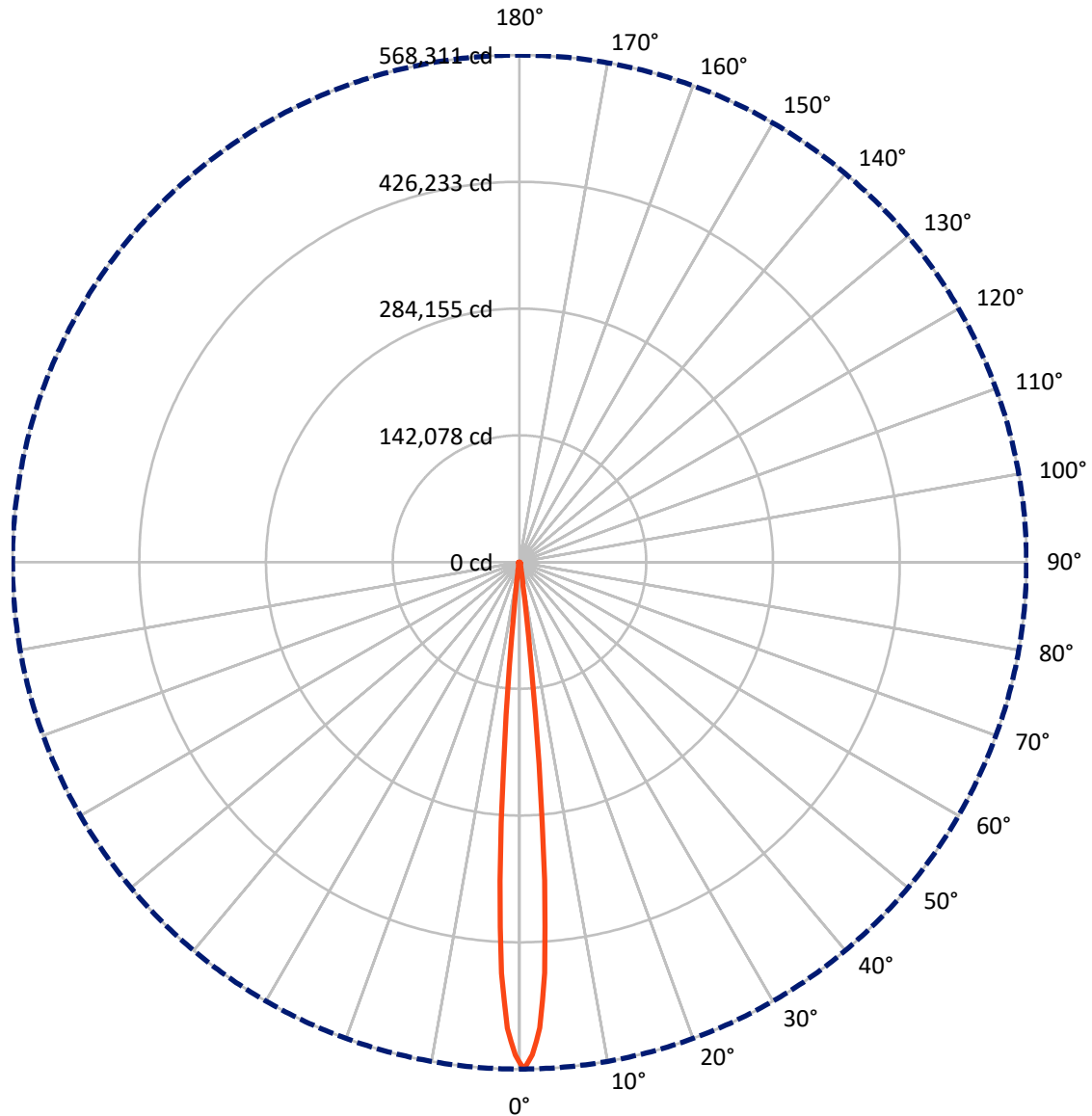
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 909.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P525410  
CATALOG NUMBER: IFLD-S-SA6D-950-U-11

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525410

CATALOG NUMBER: IFLD-S-SA6D-950-U-11

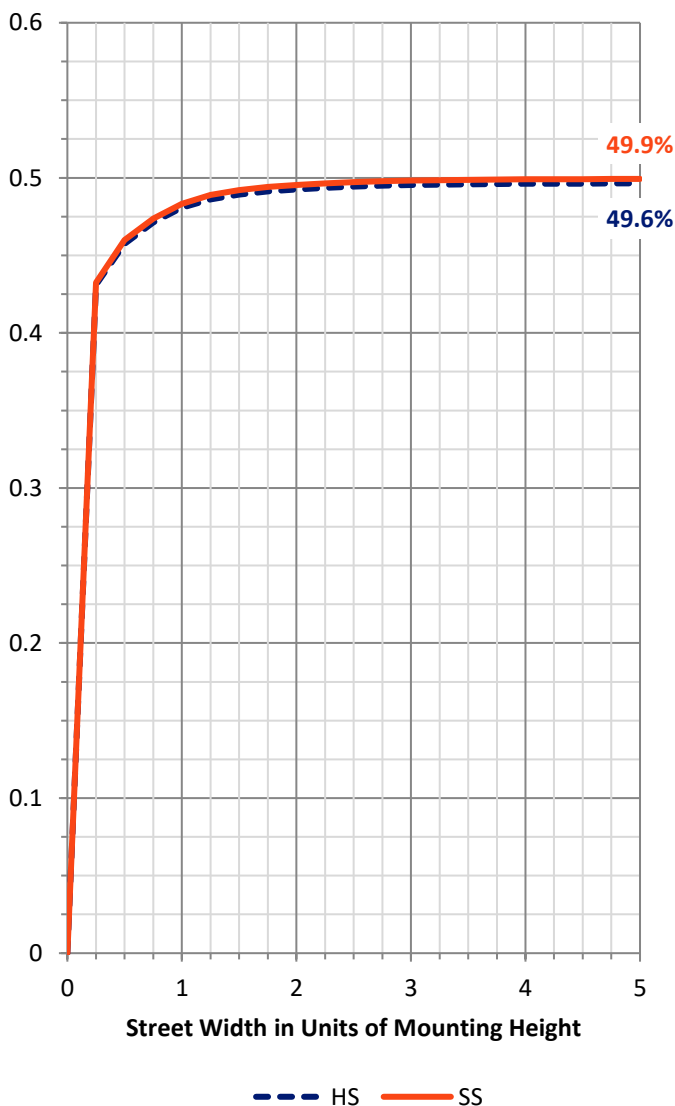
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9532.8   | 0.0    | 9532.8  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9532.8   | 0.0    | 9532.8  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19065.6  | 0.0    | 19065.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 14642.2 | 76.8      |
| 10°-20°   | 1428.1  | 7.5       |
| 20°-30°   | 763.0   | 4.0       |
| 30°-40°   | 629.3   | 3.3       |
| 40°-50°   | 700.7   | 3.7       |
| 50°-60°   | 471.2   | 2.5       |
| 60°-70°   | 300.7   | 1.6       |
| 70°-80°   | 118.7   | 0.6       |
| 80°-90°   | 11.6    | 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°    | 19065.6 | 100.0     |
| 0°-180°   | 19065.6 | 100.0     |

**Coefficient of Utilization**



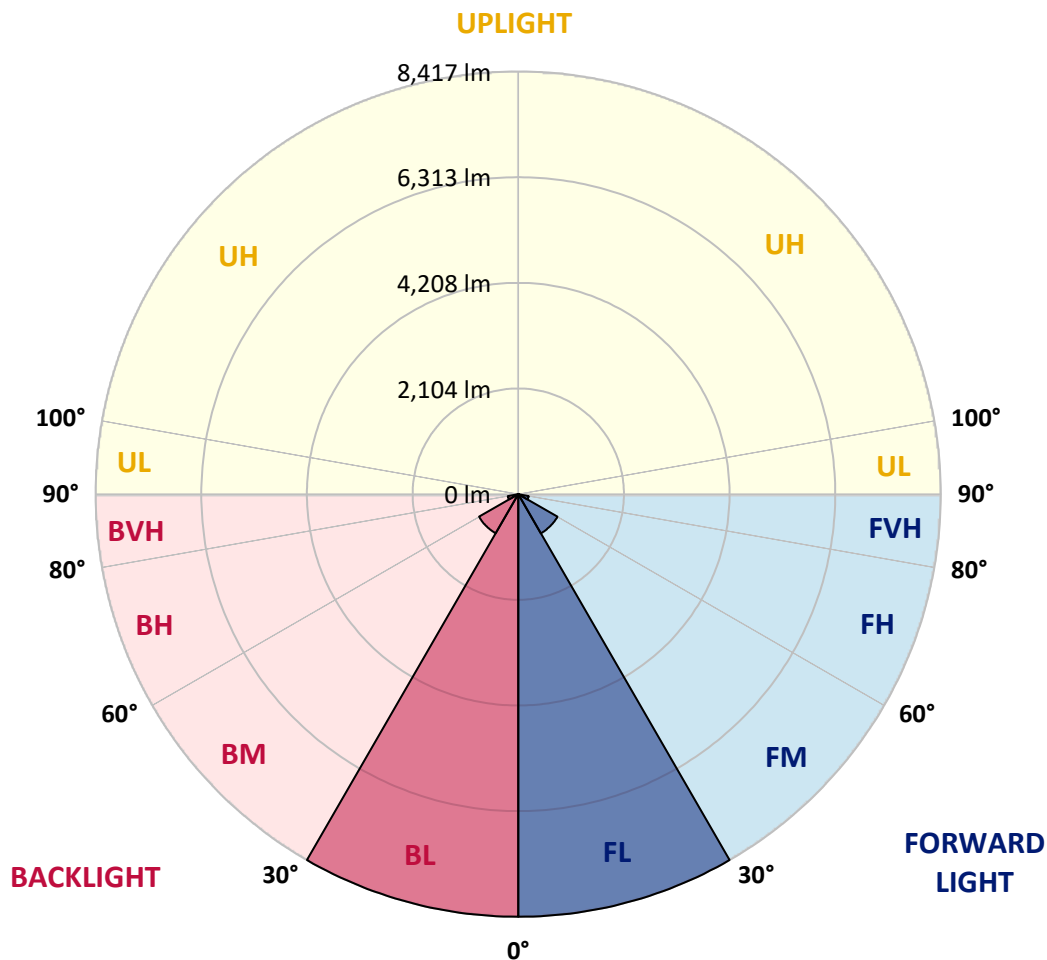
REPORT NUMBER: P525410  
 CATALOG NUMBER: IFLD-S-SA6D-950-U-11

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 8416.7 | 44.1      |                         |      |        |
| FM (30°-60°)   | 900.6  | 4.7       |                         |      |        |
| FH (60°-80°)   | 209.7  | 1.1       |                         |      | G0/660 |
| FVH (80°-90°)  | 5.8    | 0.0       |                         |      | G0/10  |
| BL (0°-30°)    | 8416.7 | 44.1      | B5                      |      |        |
| BM (30°-60°)   | 900.6  | 4.7       | B1/1000                 |      |        |
| BH (60°-80°)   | 209.7  | 1.1       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 5.8    | 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





REPORT NUMBER: P525410  
 CATALOG NUMBER: IFLD-S-SA6D-950-U-11

**CANDELA DISTRIBUTION (FULL):**

|       | 0°       | 5°       | 15°      | 25°      | 35°      | 45°      | 55°      | 65°      | 75°      | 85°      |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0°    | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 | 568310.7 |
| 1°    | 552515.7 | 553476.6 | 553649.9 | 552505.8 | 549588.5 | 550277.0 | 550187.8 | 550341.4 | 550054.1 | 548231.4 |
| 2°    | 522599.9 | 524021.4 | 522525.6 | 519316.1 | 512669.3 | 511084.3 | 505789.6 | 499880.8 | 493590.5 | 487285.5 |
| 3°    | 461535.1 | 464526.7 | 462392.0 | 465819.4 | 452337.5 | 450975.4 | 439841.2 | 425160.7 | 410282.0 | 398226.6 |
| 4°    | 357845.2 | 363372.7 | 364105.7 | 375418.3 | 364343.5 | 367805.6 | 355086.4 | 334690.2 | 312431.7 | 295403.5 |
| 5°    | 228097.9 | 235804.7 | 240153.4 | 250762.6 | 255864.1 | 269147.9 | 262951.8 | 242481.3 | 216760.6 | 197171.7 |
| 6°    | 115250.0 | 119445.2 | 131129.2 | 142793.4 | 155819.6 | 173447.1 | 175834.5 | 157865.2 | 137394.7 | 118593.3 |
| 7°    | 53724.6  | 55458.1  | 63699.8  | 66186.2  | 81079.7  | 100203.0 | 102877.6 | 93026.2  | 82228.8  | 67657.2  |
| 8°    | 27761.2  | 28434.8  | 31446.2  | 33293.7  | 41981.2  | 52981.6  | 54858.8  | 48657.7  | 44239.7  | 36909.3  |
| 9°    | 17097.6  | 17394.7  | 18524.0  | 18940.1  | 22189.2  | 27082.7  | 27746.4  | 25151.0  | 23952.4  | 21421.5  |
| 10°   | 11857.3  | 12015.8  | 12545.8  | 12654.8  | 13739.5  | 15349.2  | 15408.6  | 14556.7  | 14576.5  | 13942.5  |
| 12.5° | 6320.0   | 6369.5   | 6518.1   | 6532.9   | 6741.0   | 6909.4   | 6869.7   | 6874.7   | 6958.9   | 6874.7   |
| 15°   | 4041.6   | 4066.4   | 4155.5   | 4175.3   | 4284.3   | 4343.7   | 4314.0   | 4309.1   | 4338.8   | 4284.3   |
| 17.5° | 2882.6   | 2897.5   | 2961.9   | 3016.3   | 3085.7   | 3105.5   | 3095.6   | 3085.7   | 3085.7   | 3036.2   |
| 20°   | 2248.6   | 2268.4   | 2313.0   | 2367.5   | 2402.2   | 2436.8   | 2441.8   | 2436.8   | 2422.0   | 2397.2   |
| 22.5° | 1911.8   | 1921.7   | 1936.6   | 1961.4   | 1986.1   | 2001.0   | 2010.9   | 2015.8   | 2010.9   | 2001.0   |
| 25°   | 1664.2   | 1674.1   | 1703.8   | 1718.7   | 1718.7   | 1723.6   | 1743.4   | 1753.3   | 1758.3   | 1738.5   |
| 27.5° | 1228.3   | 1253.1   | 1297.7   | 1322.4   | 1322.4   | 1332.3   | 1347.2   | 1367.0   | 1386.8   | 1352.2   |
| 30°   | 951.0    | 970.8    | 1020.3   | 1020.3   | 1015.4   | 1025.3   | 1040.1   | 1069.8   | 1099.6   | 1059.9   |
| 32.5° | 856.9    | 856.9    | 866.8    | 871.7    | 871.7    | 886.6    | 896.5    | 921.2    | 946.0    | 936.1    |
| 35°   | 896.5    | 871.7    | 842.0    | 842.0    | 851.9    | 881.6    | 886.6    | 911.3    | 936.1    | 970.8    |
| 37.5° | 1302.6   | 1228.3   | 1119.4   | 1099.6   | 1099.6   | 1134.2   | 1119.4   | 1134.2   | 1178.8   | 1307.6   |
| 40°   | 1183.8   | 1124.3   | 1059.9   | 970.8    | 970.8    | 1020.3   | 985.6    | 1005.4   | 1109.5   | 1188.7   |
| 42.5° | 1055.0   | 1055.0   | 985.6    | 901.4    | 901.4    | 926.2    | 916.3    | 926.2    | 1045.1   | 1109.5   |
| 45°   | 975.7    | 975.7    | 955.9    | 822.2    | 842.0    | 856.9    | 856.9    | 856.9    | 1015.4   | 1035.2   |
| 47.5° | 931.2    | 931.2    | 881.6    | 757.8    | 782.6    | 787.5    | 797.4    | 787.5    | 911.3    | 980.7    |
| 50°   | 832.1    | 842.0    | 757.8    | 668.6    | 698.4    | 698.4    | 713.2    | 693.4    | 787.5    | 901.4    |
| 52.5° | 718.2    | 728.1    | 599.3    | 530.0    | 564.6    | 559.7    | 579.5    | 549.8    | 624.1    | 782.6    |
| 55°   | 638.9    | 634.0    | 495.3    | 430.9    | 470.5    | 465.6    | 475.5    | 440.8    | 505.2    | 673.6    |
| 57.5° | 554.7    | 564.6    | 406.1    | 351.7    | 396.2    | 386.3    | 401.2    | 361.6    | 416.0    | 599.3    |
| 60°   | 490.3    | 505.2    | 346.7    | 297.2    | 341.8    | 331.8    | 346.7    | 302.1    | 356.6    | 539.9    |
| 62.5° | 470.5    | 470.5    | 307.1    | 252.6    | 297.2    | 287.3    | 297.2    | 252.6    | 317.0    | 495.3    |
| 65°   | 559.7    | 530.0    | 277.4    | 208.0    | 252.6    | 242.7    | 252.6    | 208.0    | 277.4    | 475.5    |
| 67.5° | 742.9    | 708.3    | 262.5    | 163.4    | 203.1    | 188.2    | 203.1    | 168.4    | 242.7    | 445.8    |
| 70°   | 386.3    | 411.1    | 262.5    | 128.8    | 153.5    | 153.5    | 148.6    | 128.8    | 203.1    | 326.9    |
| 72.5° | 222.9    | 227.8    | 203.1    | 99.1     | 118.9    | 128.8    | 113.9    | 99.1     | 148.6    | 242.7    |
| 75°   | 123.8    | 138.7    | 128.8    | 74.3     | 89.2     | 99.1     | 84.2     | 74.3     | 104.0    | 173.4    |
| 77.5° | 74.3     | 84.2     | 74.3     | 49.5     | 59.4     | 54.5     | 59.4     | 49.5     | 69.3     | 113.9    |
| 80°   | 39.6     | 39.6     | 39.6     | 29.7     | 29.7     | 34.7     | 34.7     | 29.7     | 39.6     | 59.4     |
| 82.5° | 14.9     | 14.9     | 14.9     | 9.9      | 14.9     | 14.9     | 14.9     | 19.8     | 19.8     | 24.8     |
| 85°   | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      |
| 87.5° | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 5.0      | 5.0      | 5.0      | 5.0      | 5.0      |
| 90°   | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      |

(END C



90°  
568310.7  
550029.3  
490916.0  
402798.1  
299351.0  
199682.9  
119999.9  
69420.5  
37904.9  
21971.3  
14234.8  
6968.8  
4323.9  
3051.0  
2402.2  
2005.9  
1738.5  
1347.2  
1050.0  
936.1  
990.6  
1372.0  
1263.0  
1114.4  
1030.2  
965.8  
891.5  
762.8  
663.7  
584.4  
525.0  
490.3  
475.5  
440.8  
321.9  
237.7  
153.5  
84.2  
49.5  
24.8  
5.0  
5.0  
0.0

OF REPORT)