

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: INVUE

Report Number: P674237

Luminaire Tested: **CCP-SA-1A-727-U-SLR-HSS**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P674237  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-727-U-SLR-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SLR  
distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1644.2 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 18  
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

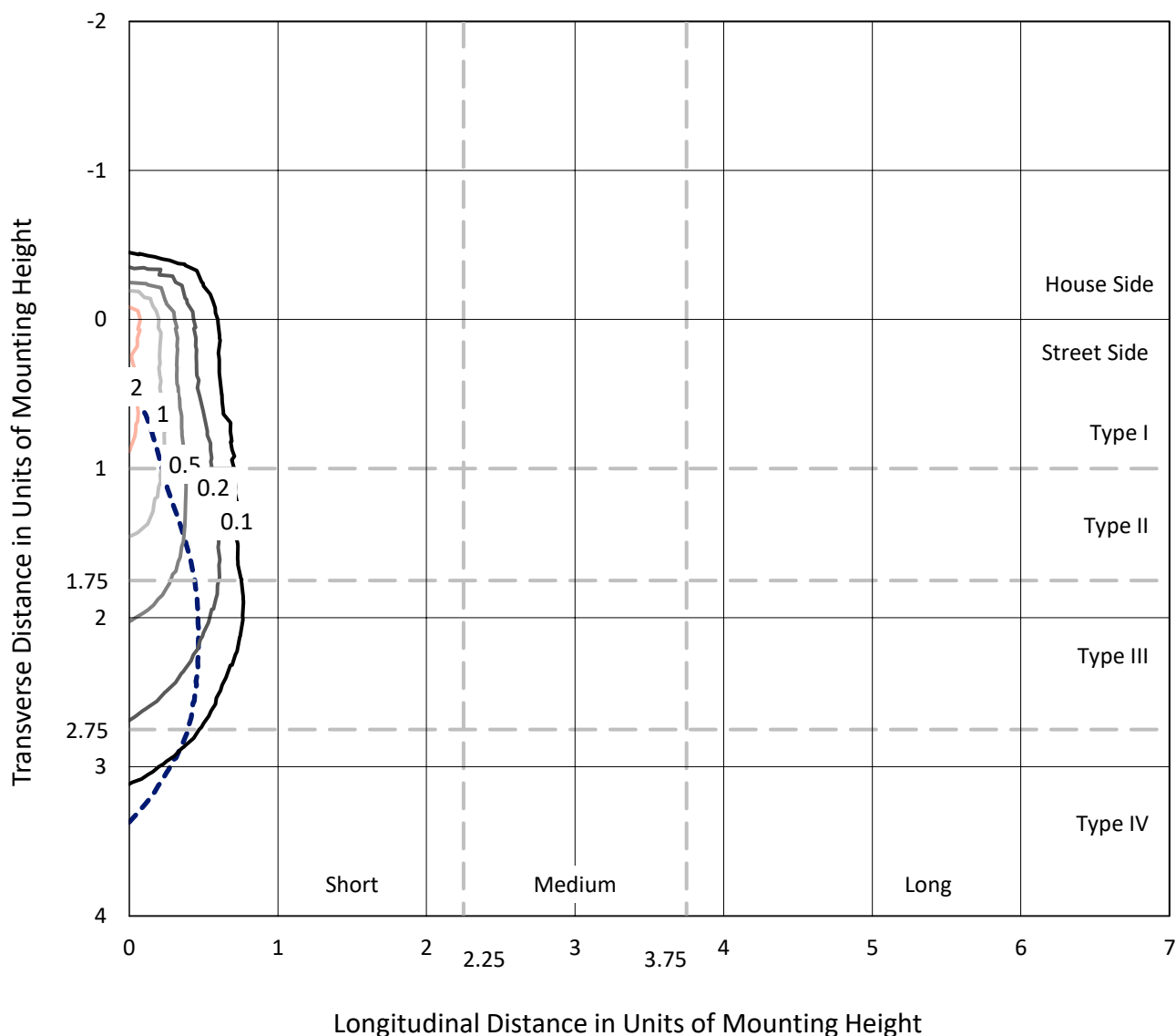
REPORT NUMBER: P674237

CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

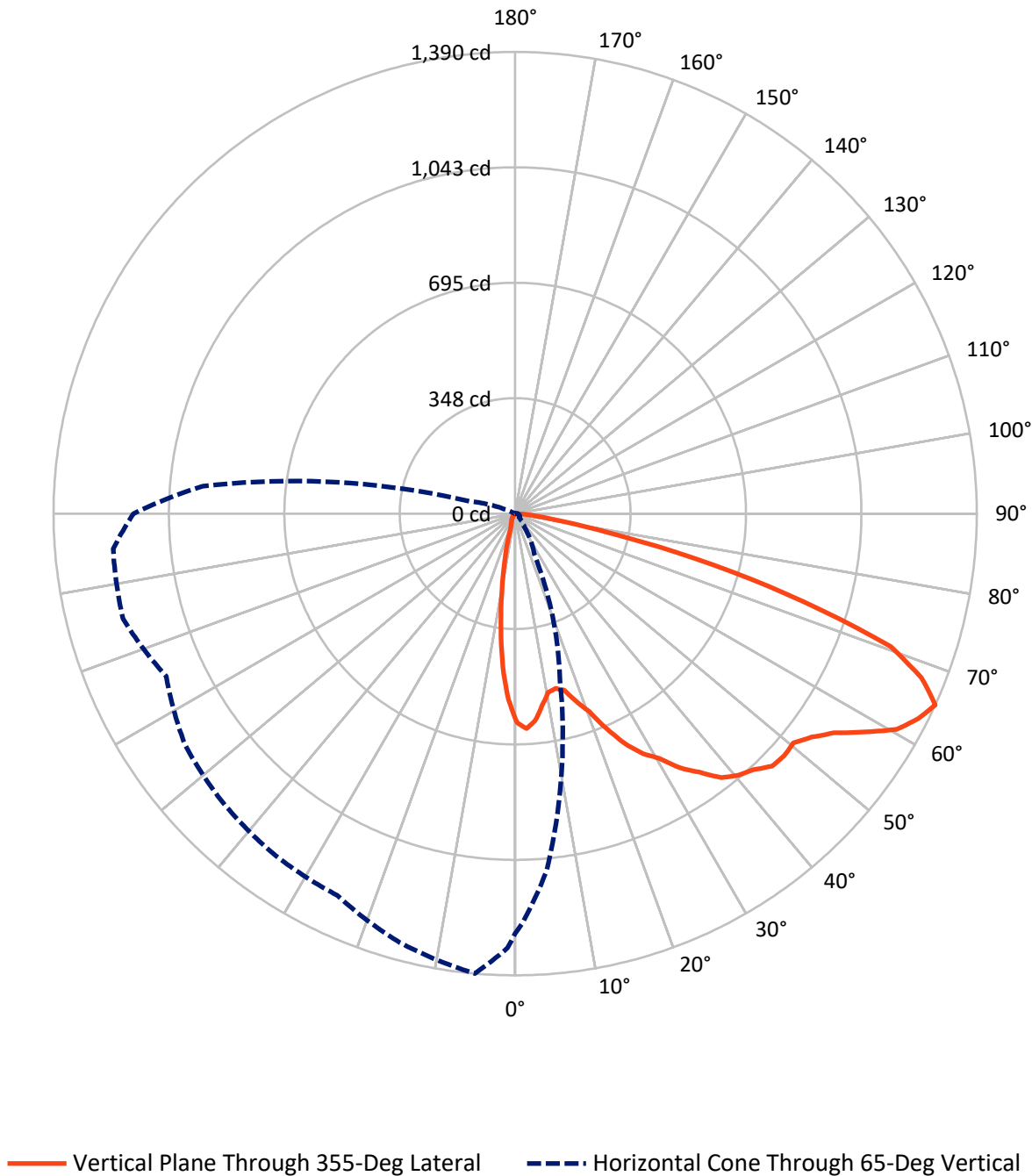


Based on 15 foot mounting height. Maximum calculated value = 2.8 fc

Type IV - Short - N/A

REPORT NUMBER: P674237  
CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P674237

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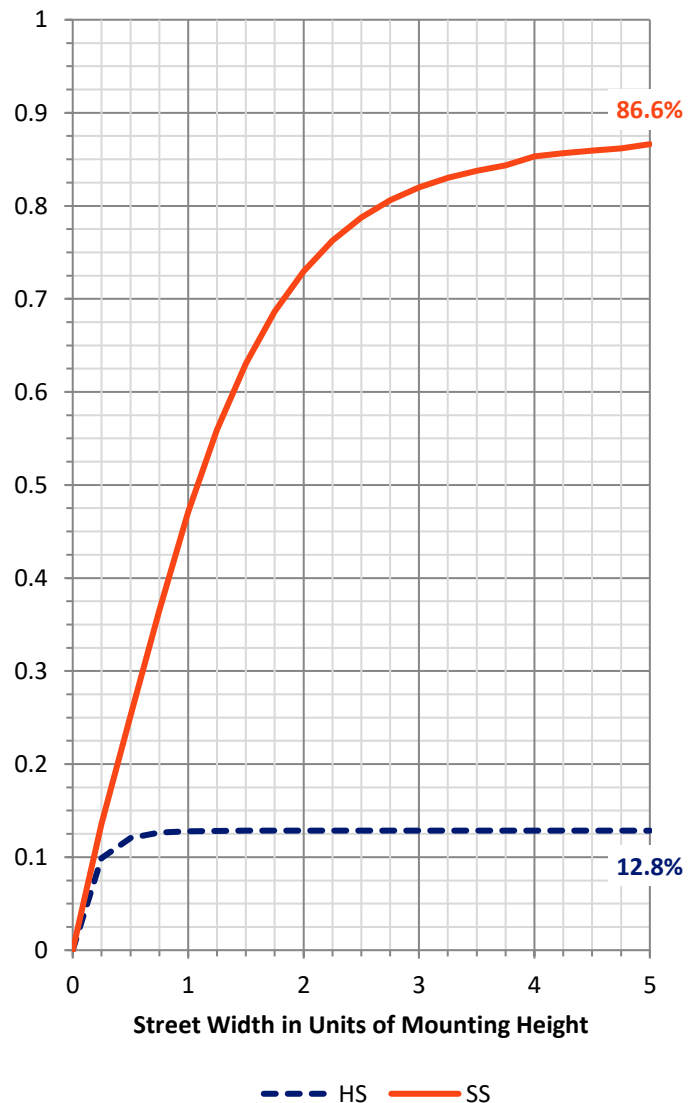
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 213.5    | 0.0    | 213.5  |
|                    | % Fixture | 13.0     | 0.0    | 13.0   |
| <b>Street Side</b> | Lumens    | 1430.7   | 0.0    | 1430.7 |
|                    | % Fixture | 87.0     | 0.0    | 87.0   |
| <b>Total</b>       | Lumens    | 1644.2   | 0.0    | 1644.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.6   | 2.9       |
| 10°-20°   | 92.2   | 5.6       |
| 20°-30°   | 128.4  | 7.8       |
| 30°-40°   | 182.5  | 11.1      |
| 40°-50°   | 253.0  | 15.4      |
| 50°-60°   | 344.8  | 21.0      |
| 60°-70°   | 379.0  | 23.1      |
| 70°-80°   | 186.3  | 11.3      |
| 80°-90°   | 30.4   | 1.9       |
| 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°    | 1644.2 | 100.0     |
| 0°-180°   | 1644.2 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P674237

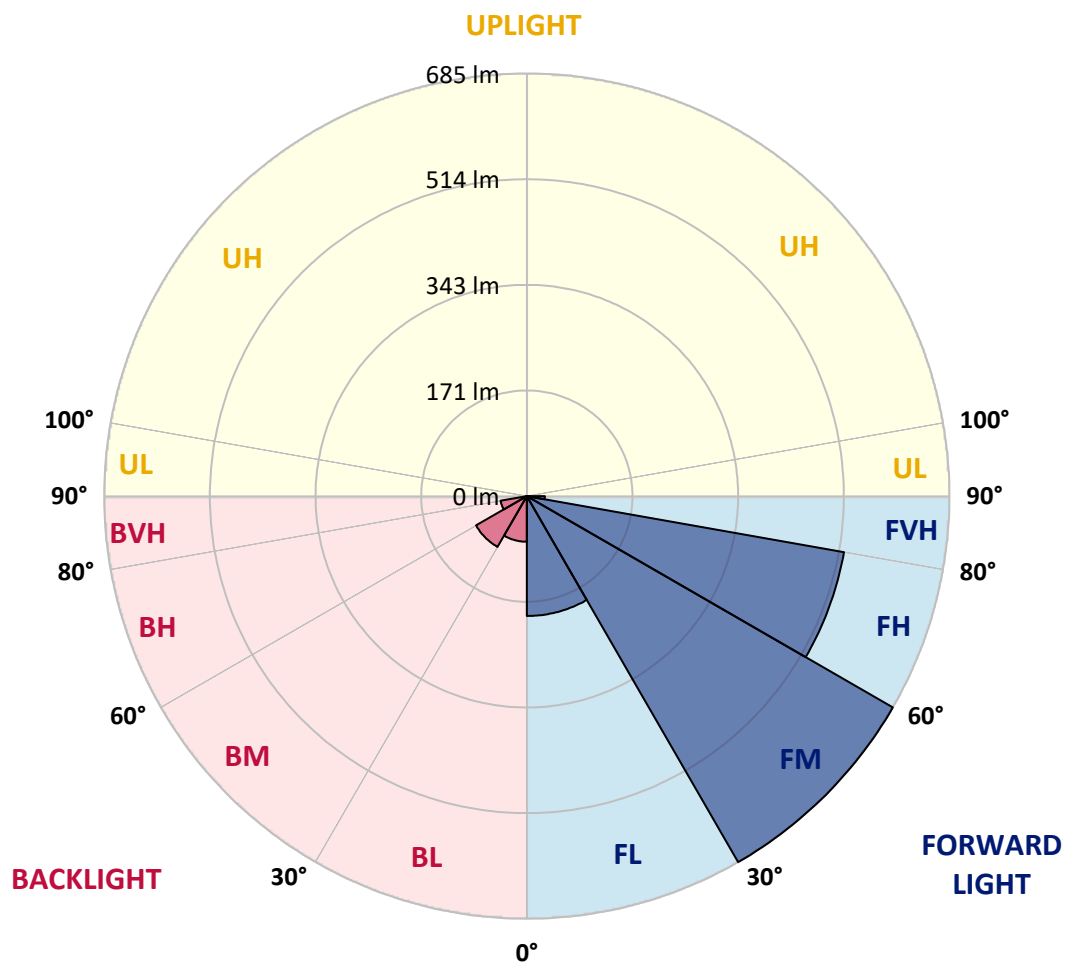
CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 194.3  | 11.8      |                         |      |        |
| FM   | (30°-60°)   | 685.2  | 41.7      |                         |      |        |
| FH   | (60°-80°)   | 522.2  | 31.8      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 29.0   | 1.8       |                         |      | G1/100 |
| BL   | (0°-30°)    | 73.9   | 4.5       | B0/110                  |      |        |
| BM   | (30°-60°)   | 95.0   | 5.8       | B0/220                  |      |        |
| BH   | (60°-80°)   | 43.1   | 2.6       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 1.4    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B0-U0-G1**

Type IV Short



REPORT NUMBER: P674237

CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 628.6  | 628.6  | 628.6  | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 |
| 2.5°  | 641.4  | 649.0  | 641.9  | 617.1 | 612.6 | 600.7 | 582.5 | 581.1 | 562.1 | 564.3 | 554.1 |
| 5°    | 602.9  | 610.4  | 595.3  | 562.5 | 531.9 | 507.6 | 492.9 | 466.8 | 461.0 | 448.2 | 448.2 |
| 7.5°  | 563.4  | 563.0  | 537.3  | 509.8 | 464.1 | 419.3 | 399.0 | 361.3 | 339.1 | 327.1 | 315.6 |
| 10°   | 530.6  | 523.5  | 507.6  | 450.8 | 401.2 | 354.6 | 329.4 | 304.5 | 281.5 | 261.5 | 241.6 |
| 12.5° | 507.6  | 512.0  | 486.7  | 425.1 | 360.8 | 328.5 | 301.4 | 275.3 | 247.8 | 225.2 | 203.0 |
| 15°   | 519.5  | 512.4  | 482.7  | 419.3 | 354.2 | 309.9 | 273.9 | 242.0 | 211.4 | 181.7 | 164.9 |
| 17.5° | 556.8  | 538.6  | 503.6  | 419.3 | 340.4 | 281.5 | 238.0 | 200.4 | 167.6 | 141.0 | 120.1 |
| 20°   | 606.9  | 586.0  | 548.3  | 434.9 | 330.2 | 260.7 | 201.3 | 153.8 | 119.7 | 94.9  | 78.9  |
| 22.5° | 658.3  | 641.9  | 585.1  | 441.1 | 318.3 | 232.7 | 158.7 | 111.3 | 79.8  | 63.8  | 55.9  |
| 25°   | 719.9  | 696.8  | 634.8  | 465.9 | 300.5 | 205.7 | 125.0 | 77.6  | 59.4  | 51.0  | 46.1  |
| 27.5° | 769.1  | 765.1  | 681.3  | 481.0 | 287.2 | 183.5 | 98.9  | 61.6  | 49.2  | 43.0  | 39.9  |
| 30°   | 831.2  | 809.4  | 738.1  | 511.1 | 272.2 | 158.3 | 82.5  | 55.4  | 45.2  | 38.6  | 36.3  |
| 32.5° | 868.4  | 858.2  | 767.8  | 528.0 | 255.3 | 137.4 | 70.9  | 48.8  | 41.2  | 36.3  | 34.1  |
| 35°   | 922.5  | 902.1  | 810.3  | 538.6 | 246.5 | 125.4 | 63.8  | 44.3  | 34.6  | 29.7  | 27.0  |
| 37.5° | 982.8  | 975.2  | 861.3  | 538.1 | 233.6 | 118.4 | 59.0  | 41.2  | 32.8  | 27.5  | 24.4  |
| 40°   | 1044.4 | 1013.8 | 892.3  | 550.6 | 227.0 | 113.0 | 55.4  | 39.5  | 31.0  | 26.2  | 22.2  |
| 42.5° | 1090.5 | 1055.5 | 928.2  | 546.1 | 219.0 | 103.7 | 54.1  | 36.8  | 29.7  | 23.9  | 20.4  |
| 45°   | 1102.9 | 1090.5 | 960.6  | 544.8 | 213.2 | 96.2  | 51.9  | 36.3  | 28.8  | 22.6  | 19.1  |
| 47.5° | 1126.8 | 1118.4 | 1000.5 | 547.0 | 208.8 | 90.4  | 46.5  | 37.2  | 27.5  | 21.3  | 18.2  |
| 50°   | 1137.5 | 1122.4 | 1032.9 | 552.3 | 198.6 | 83.3  | 41.7  | 39.0  | 27.0  | 20.8  | 17.3  |
| 52.5° | 1181.4 | 1168.1 | 1077.2 | 567.4 | 190.2 | 74.0  | 36.8  | 37.2  | 27.9  | 19.5  | 16.4  |
| 55°   | 1224.4 | 1209.3 | 1145.4 | 602.0 | 178.2 | 66.5  | 31.5  | 32.8  | 26.6  | 17.7  | 14.6  |
| 57.5° | 1283.3 | 1258.5 | 1191.1 | 616.2 | 167.6 | 56.3  | 27.9  | 27.0  | 24.8  | 16.0  | 12.9  |
| 60°   | 1292.2 | 1302.4 | 1184.5 | 607.3 | 156.5 | 49.6  | 24.4  | 20.8  | 26.6  | 14.2  | 11.1  |
| 62.5° | 1321.9 | 1279.3 | 1153.4 | 586.9 | 148.5 | 45.7  | 21.7  | 17.3  | 23.1  | 12.4  | 9.3   |
| 65°   | 1264.7 | 1233.2 | 1080.7 | 521.3 | 138.3 | 46.1  | 19.1  | 14.2  | 14.6  | 10.2  | 7.5   |
| 67.5° | 1180.9 | 1156.1 | 960.2  | 449.9 | 128.1 | 45.2  | 16.8  | 12.4  | 11.1  | 8.9   | 6.6   |
| 70°   | 1036.4 | 982.8  | 815.6  | 365.3 | 113.0 | 42.1  | 14.2  | 11.1  | 9.3   | 7.1   | 4.9   |
| 72.5° | 754.0  | 732.3  | 585.1  | 282.4 | 101.5 | 38.1  | 13.3  | 9.3   | 8.0   | 5.3   | 4.0   |
| 75°   | 507.6  | 471.7  | 369.3  | 185.3 | 81.6  | 33.2  | 11.1  | 8.4   | 6.2   | 4.0   | 3.1   |
| 77.5° | 268.2  | 253.6  | 209.2  | 88.2  | 45.2  | 15.5  | 6.2   | 4.9   | 3.5   | 3.1   | 1.8   |
| 80°   | 116.1  | 103.3  | 90.4   | 35.9  | 16.0  | 7.1   | 4.0   | 2.7   | 2.2   | 1.8   | 0.9   |
| 82.5° | 59.4   | 56.7   | 47.0   | 15.5  | 9.3   | 5.3   | 2.2   | 1.8   | 1.3   | 0.9   | 0.4   |
| 85°   | 29.3   | 30.1   | 24.8   | 4.9   | 5.3   | 3.1   | 0.4   | 0.4   | 0.0   | 0.0   | 0.0   |
| 87.5° | 2.2    | 2.2    | 1.8    | 0.9   | 1.3   | 0.4   | 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   | 0.0   |

REPORT NUMBER: P674237

CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 |
| 2.5°  | 550.1 | 556.3 | 545.7 | 552.3 | 549.2 | 550.6 | 551.9 | 548.3 | 549.2 | 561.6 | 562.1 |
| 5°    | 440.6 | 452.6 | 448.2 | 454.4 | 465.0 | 459.7 | 464.6 | 463.7 | 464.6 | 466.3 | 474.3 |
| 7.5°  | 314.3 | 310.7 | 319.2 | 335.6 | 354.6 | 366.2 | 360.4 | 357.3 | 355.5 | 351.1 | 356.4 |
| 10°   | 237.2 | 235.4 | 233.2 | 238.0 | 250.5 | 263.3 | 270.4 | 258.4 | 251.8 | 243.4 | 240.3 |
| 12.5° | 196.8 | 185.7 | 179.5 | 172.0 | 175.5 | 187.1 | 187.5 | 176.0 | 165.3 | 160.9 | 165.8 |
| 15°   | 155.1 | 147.6 | 136.5 | 125.9 | 120.6 | 129.4 | 121.9 | 110.8 | 97.1  | 95.3  | 94.9  |
| 17.5° | 110.8 | 106.4 | 98.4  | 94.0  | 87.8  | 85.6  | 77.6  | 60.7  | 51.0  | 48.3  | 49.2  |
| 20°   | 75.4  | 71.8  | 71.4  | 67.4  | 64.7  | 62.9  | 50.1  | 39.0  | 35.9  | 36.3  | 36.8  |
| 22.5° | 55.9  | 54.1  | 51.9  | 51.4  | 49.2  | 47.0  | 36.8  | 32.8  | 30.6  | 30.6  | 31.9  |
| 25°   | 45.7  | 44.8  | 42.6  | 41.7  | 40.8  | 37.7  | 31.0  | 27.9  | 27.0  | 26.2  | 27.5  |
| 27.5° | 39.0  | 38.6  | 37.2  | 35.9  | 35.0  | 31.9  | 27.0  | 24.4  | 23.5  | 23.5  | 23.5  |
| 30°   | 35.0  | 35.0  | 33.2  | 30.6  | 30.6  | 27.0  | 23.1  | 21.3  | 20.4  | 20.4  | 19.9  |
| 32.5° | 32.8  | 31.9  | 29.7  | 27.9  | 26.6  | 23.1  | 20.4  | 18.6  | 17.3  | 17.3  | 17.7  |
| 35°   | 26.6  | 26.6  | 26.2  | 24.8  | 23.1  | 19.5  | 17.3  | 15.5  | 14.6  | 14.2  | 14.6  |
| 37.5° | 23.5  | 22.2  | 20.4  | 20.8  | 19.9  | 16.8  | 14.6  | 13.3  | 12.0  | 12.0  | 12.0  |
| 40°   | 21.3  | 19.9  | 18.2  | 16.8  | 16.4  | 15.1  | 12.9  | 10.6  | 9.3   | 8.9   | 8.9   |
| 42.5° | 19.1  | 18.2  | 15.5  | 13.3  | 12.9  | 12.9  | 9.8   | 8.0   | 6.6   | 6.6   | 6.6   |
| 45°   | 17.7  | 16.4  | 14.2  | 11.5  | 9.3   | 9.8   | 8.0   | 5.8   | 4.9   | 4.4   | 4.4   |
| 47.5° | 16.8  | 15.5  | 12.4  | 9.8   | 7.1   | 7.1   | 5.8   | 4.0   | 3.1   | 2.7   | 2.7   |
| 50°   | 15.5  | 14.2  | 11.1  | 8.0   | 5.3   | 4.4   | 3.5   | 2.2   | 1.3   | 0.9   | 0.9   |
| 52.5° | 14.6  | 13.3  | 9.8   | 6.6   | 4.4   | 3.1   | 2.2   | 0.4   | 0.0   | 0.0   | 0.0   |
| 55°   | 13.3  | 11.5  | 8.4   | 5.3   | 3.5   | 1.8   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 11.5  | 10.2  | 6.6   | 4.0   | 2.2   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 9.8   | 8.4   | 5.3   | 3.1   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 8.0   | 7.1   | 4.0   | 1.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 6.6   | 5.3   | 3.1   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 5.8   | 4.4   | 2.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 4.4   | 3.1   | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 3.1   | 2.2   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 2.2   | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 1.3   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 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   | 0.0   |

REPORT NUMBER: P674237

CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°   | 270°   | 275°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6 | 628.6  | 628.6  | 628.6  |
| 2.5°  | 563.9 | 577.2 | 589.6 | 593.1 | 602.9 | 629.9 | 629.9 | 642.8 | 665.8  | 674.2  | 676.0  |
| 5°    | 475.6 | 489.8 | 492.5 | 520.0 | 532.8 | 560.3 | 578.5 | 621.9 | 648.1  | 664.5  | 674.7  |
| 7.5°  | 361.7 | 366.6 | 376.8 | 402.5 | 427.8 | 461.0 | 495.6 | 551.0 | 597.1  | 615.7  | 650.3  |
| 10°   | 248.7 | 263.3 | 285.5 | 308.5 | 348.0 | 384.8 | 429.5 | 481.9 | 538.6  | 561.6  | 591.3  |
| 12.5° | 167.6 | 188.0 | 223.4 | 256.2 | 292.6 | 329.8 | 372.4 | 442.4 | 506.7  | 538.6  | 568.3  |
| 15°   | 98.0  | 122.8 | 153.4 | 206.6 | 254.9 | 296.6 | 339.1 | 410.0 | 488.1  | 529.3  | 565.6  |
| 17.5° | 49.6  | 57.2  | 82.5  | 128.6 | 192.4 | 260.7 | 324.0 | 414.5 | 502.2  | 552.8  | 582.9  |
| 20°   | 37.2  | 39.5  | 46.5  | 68.3  | 131.7 | 215.4 | 309.9 | 421.1 | 541.7  | 603.3  | 619.7  |
| 22.5° | 32.4  | 34.1  | 37.2  | 44.3  | 74.0  | 164.9 | 289.9 | 437.5 | 595.3  | 653.4  | 688.0  |
| 25°   | 27.5  | 29.3  | 31.9  | 36.3  | 47.4  | 112.2 | 265.5 | 454.8 | 643.2  | 716.3  | 748.7  |
| 27.5° | 23.9  | 25.3  | 27.9  | 31.5  | 38.6  | 71.4  | 223.4 | 477.9 | 716.3  | 792.6  | 801.0  |
| 30°   | 20.4  | 21.7  | 23.9  | 27.9  | 32.8  | 50.5  | 164.0 | 481.0 | 756.7  | 825.8  | 849.3  |
| 32.5° | 17.7  | 18.2  | 20.8  | 24.4  | 27.5  | 39.9  | 115.3 | 484.1 | 786.4  | 868.8  | 873.7  |
| 35°   | 14.6  | 15.5  | 18.2  | 20.4  | 23.9  | 31.5  | 87.3  | 468.6 | 825.0  | 913.2  | 911.8  |
| 37.5° | 12.0  | 13.3  | 15.1  | 16.8  | 19.5  | 26.6  | 69.6  | 439.7 | 873.3  | 981.9  | 940.2  |
| 40°   | 9.3   | 10.6  | 12.4  | 14.6  | 16.4  | 23.9  | 52.3  | 396.3 | 923.8  | 1015.6 | 971.2  |
| 42.5° | 6.6   | 7.5   | 9.3   | 11.5  | 14.6  | 19.9  | 37.7  | 344.9 | 943.8  | 1055.0 | 1008.5 |
| 45°   | 4.9   | 5.8   | 7.1   | 9.8   | 15.1  | 16.0  | 26.2  | 297.9 | 965.0  | 1072.3 | 1000.0 |
| 47.5° | 2.7   | 3.5   | 5.3   | 8.4   | 13.3  | 12.0  | 18.6  | 255.8 | 989.4  | 1087.8 | 1006.7 |
| 50°   | 0.9   | 1.3   | 3.1   | 8.9   | 10.6  | 9.3   | 14.6  | 233.2 | 1013.3 | 1090.9 | 1020.0 |
| 52.5° | 0.0   | 0.0   | 1.8   | 9.3   | 8.0   | 7.1   | 12.9  | 224.3 | 1007.1 | 1100.7 | 1011.6 |
| 55°   | 0.0   | 0.0   | 0.4   | 4.0   | 4.4   | 5.3   | 10.6  | 223.9 | 1051.0 | 1103.8 | 1057.7 |
| 57.5° | 0.0   | 0.0   | 0.0   | 1.3   | 2.7   | 4.4   | 9.3   | 209.7 | 1079.0 | 1180.9 | 1119.7 |
| 60°   | 0.0   | 0.0   | 0.0   | 0.4   | 1.8   | 3.1   | 7.1   | 197.3 | 1107.3 | 1215.5 | 1186.2 |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 1.3   | 4.9   | 178.2 | 1050.1 | 1212.8 | 1250.5 |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.1   | 141.0 | 944.6  | 1149.4 | 1215.0 |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.8   | 97.5  | 827.2  | 1069.6 | 1149.9 |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 59.0  | 667.6  | 938.0  | 975.2  |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 25.3  | 476.5  | 744.7  | 800.1  |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 10.2  | 294.8  | 544.4  | 612.6  |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 4.0   | 191.1  | 412.3  | 465.0  |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9   | 102.0  | 258.4  | 300.5  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 44.3   | 156.9  | 180.9  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 14.2   | 95.3   | 108.6  |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 14.6   | 19.5   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P674237

CATALOG NUMBER: CCP-SA-1A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  | 628.6  |
| 2.5°  | 676.9  | 689.8  | 694.6  | 687.1  | 688.0  | 672.5  | 670.2  | 648.5  | 639.7  | 641.4  |
| 5°    | 707.9  | 726.5  | 736.7  | 728.3  | 709.3  | 679.6  | 652.5  | 626.8  | 610.8  | 602.9  |
| 7.5°  | 700.8  | 721.7  | 734.5  | 742.5  | 720.8  | 672.9  | 631.7  | 583.4  | 563.0  | 563.4  |
| 10°   | 661.8  | 705.3  | 731.4  | 721.2  | 711.0  | 663.2  | 599.3  | 547.0  | 528.8  | 530.6  |
| 12.5° | 630.4  | 678.7  | 694.2  | 702.2  | 681.3  | 643.2  | 600.2  | 540.4  | 520.0  | 507.6  |
| 15°   | 610.8  | 646.8  | 647.6  | 660.1  | 651.6  | 651.6  | 609.5  | 551.0  | 533.3  | 519.5  |
| 17.5° | 610.8  | 618.8  | 617.9  | 622.4  | 636.6  | 653.4  | 633.0  | 594.0  | 559.0  | 556.8  |
| 20°   | 624.6  | 599.8  | 594.0  | 595.8  | 607.7  | 657.8  | 684.9  | 636.1  | 613.9  | 606.9  |
| 22.5° | 656.5  | 602.0  | 567.0  | 560.8  | 597.5  | 657.4  | 718.1  | 702.6  | 664.0  | 658.3  |
| 25°   | 700.4  | 598.0  | 559.9  | 551.9  | 579.8  | 673.3  | 763.8  | 766.9  | 731.9  | 719.9  |
| 27.5° | 742.1  | 615.7  | 559.0  | 557.2  | 594.0  | 669.8  | 795.3  | 818.3  | 778.9  | 769.1  |
| 30°   | 756.2  | 633.5  | 575.4  | 551.9  | 599.3  | 682.7  | 794.4  | 854.7  | 828.9  | 831.2  |
| 32.5° | 773.1  | 651.2  | 577.2  | 567.8  | 621.9  | 703.5  | 819.6  | 913.2  | 894.5  | 868.4  |
| 35°   | 797.9  | 675.1  | 594.0  | 585.6  | 637.9  | 722.1  | 825.0  | 956.2  | 953.1  | 922.5  |
| 37.5° | 819.2  | 698.6  | 629.0  | 630.4  | 686.6  | 752.3  | 848.4  | 1008.9 | 1003.6 | 982.8  |
| 40°   | 834.3  | 731.4  | 683.5  | 687.1  | 729.2  | 785.9  | 890.1  | 1035.5 | 1075.0 | 1044.4 |
| 42.5° | 836.5  | 760.7  | 746.0  | 774.4  | 813.9  | 838.3  | 907.0  | 1053.7 | 1110.4 | 1090.5 |
| 45°   | 844.9  | 807.2  | 848.0  | 868.8  | 901.2  | 884.4  | 906.1  | 1084.7 | 1113.1 | 1102.9 |
| 47.5° | 877.7  | 891.9  | 943.3  | 1006.7 | 1018.2 | 962.8  | 927.4  | 1089.6 | 1128.2 | 1126.8 |
| 50°   | 911.8  | 982.8  | 1055.0 | 1097.1 | 1111.8 | 1016.9 | 947.3  | 1085.6 | 1148.1 | 1137.5 |
| 52.5° | 950.0  | 1061.7 | 1165.8 | 1217.7 | 1209.7 | 1076.7 | 969.9  | 1118.0 | 1184.9 | 1181.4 |
| 55°   | 973.9  | 1097.1 | 1237.2 | 1309.5 | 1303.3 | 1143.7 | 1041.7 | 1164.5 | 1233.2 | 1224.4 |
| 57.5° | 1037.3 | 1154.8 | 1308.1 | 1341.8 | 1358.2 | 1231.4 | 1091.8 | 1240.8 | 1273.6 | 1283.3 |
| 60°   | 1089.6 | 1192.4 | 1326.8 | 1375.5 | 1381.3 | 1283.8 | 1179.6 | 1319.2 | 1325.0 | 1292.2 |
| 62.5° | 1166.3 | 1207.1 | 1287.3 | 1331.2 | 1360.9 | 1313.5 | 1258.5 | 1361.3 | 1324.1 | 1321.9 |
| 65°   | 1222.6 | 1159.2 | 1213.7 | 1238.1 | 1257.2 | 1268.2 | 1337.8 | 1390.1 | 1307.7 | 1264.7 |
| 67.5° | 1191.1 | 1068.8 | 1058.6 | 1059.9 | 1065.7 | 1132.6 | 1311.2 | 1319.7 | 1216.4 | 1180.9 |
| 70°   | 1048.4 | 876.8  | 863.1  | 873.7  | 844.9  | 925.6  | 1203.5 | 1199.5 | 1073.2 | 1036.4 |
| 72.5° | 848.0  | 639.2  | 615.7  | 630.4  | 637.0  | 722.6  | 1012.5 | 909.6  | 782.8  | 754.0  |
| 75°   | 673.8  | 468.6  | 395.4  | 430.9  | 453.5  | 526.2  | 790.8  | 617.9  | 546.6  | 507.6  |
| 77.5° | 529.3  | 354.6  | 307.6  | 293.5  | 314.3  | 382.6  | 575.4  | 324.5  | 286.4  | 268.2  |
| 80°   | 335.6  | 260.7  | 282.8  | 262.4  | 271.3  | 273.1  | 299.7  | 147.6  | 117.5  | 116.1  |
| 82.5° | 202.1  | 178.2  | 211.9  | 116.6  | 212.3  | 189.7  | 124.6  | 66.9   | 59.4   | 59.4   |
| 85°   | 143.2  | 110.4  | 73.1   | 47.4   | 94.4   | 104.2  | 48.3   | 34.6   | 30.1   | 29.3   |
| 87.5° | 71.8   | 34.1   | 16.4   | 10.6   | 12.0   | 19.5   | 5.8    | 2.7    | 2.7    | 2.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)