

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: P677415

Luminaire Tested: **CCW-SA-1A-735-U-SLR-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677415
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-735-U-SLR-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SLR distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

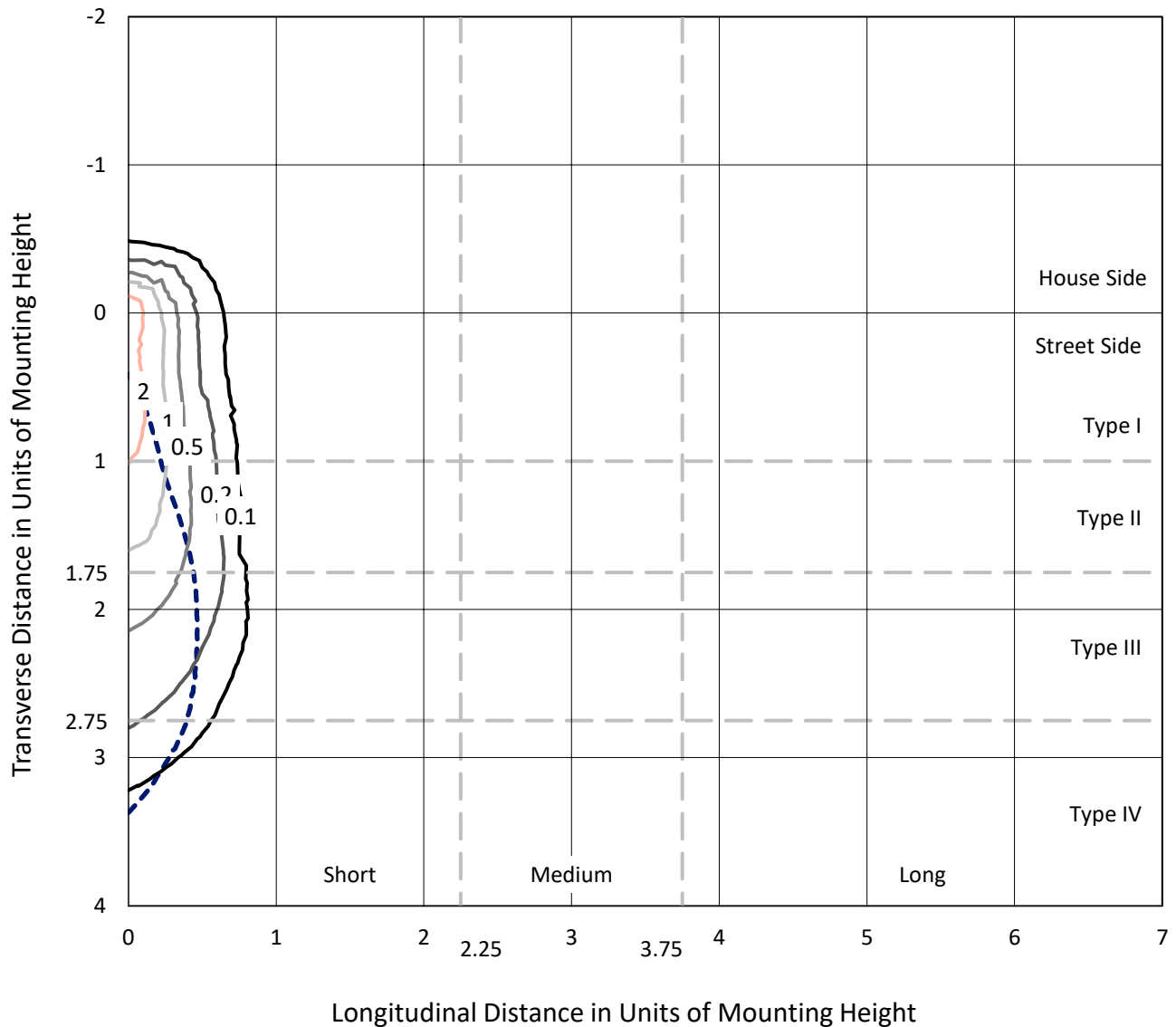
Lumens per Lamp: N/A
Luminaire Lumens: 1939.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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: P677415
 CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

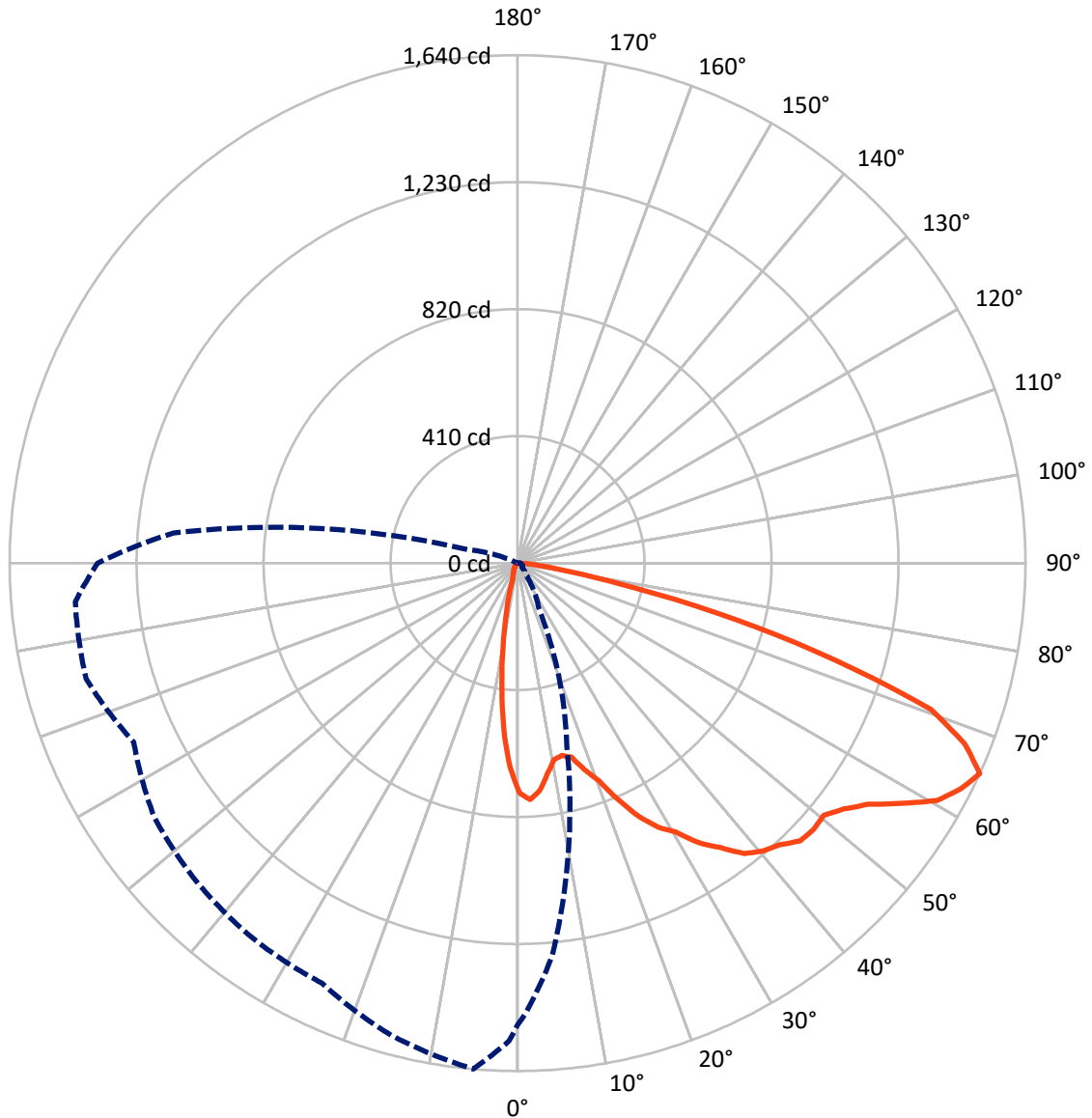
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P677415
CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P677415
 CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

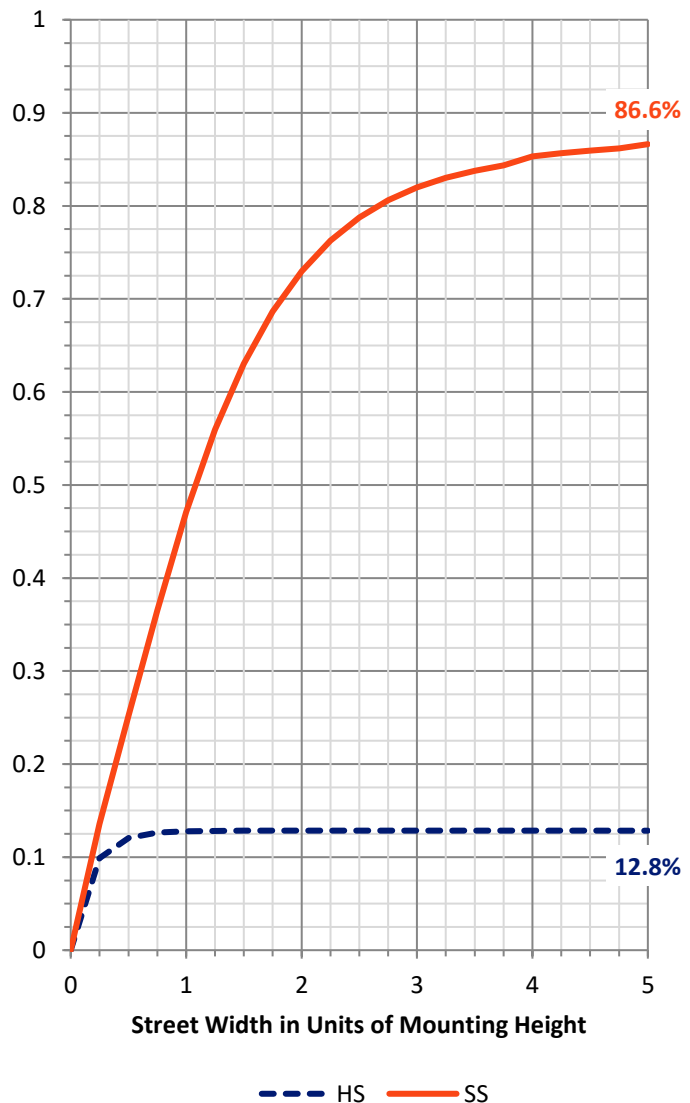
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 251.8 | 0.0 | 251.8 |
| | % Fixture | 13.0 | 0.0 | 13.0 |
| Street Side | Lumens | 1687.3 | 0.0 | 1687.3 |
| | % Fixture | 87.0 | 0.0 | 87.0 |
| Total | Lumens | 1939.1 | 0.0 | 1939.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.2 | 2.9 |
| 10°-20° | 108.7 | 5.6 |
| 20°-30° | 151.4 | 7.8 |
| 30°-40° | 215.2 | 11.1 |
| 40°-50° | 298.4 | 15.4 |
| 50°-60° | 406.6 | 21.0 |
| 60°-70° | 447.0 | 23.1 |
| 70°-80° | 219.7 | 11.3 |
| 80°-90° | 35.9 | 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° | 1939.1 | 100.0 |
| 0°-180° | 1939.1 | 100.0 |



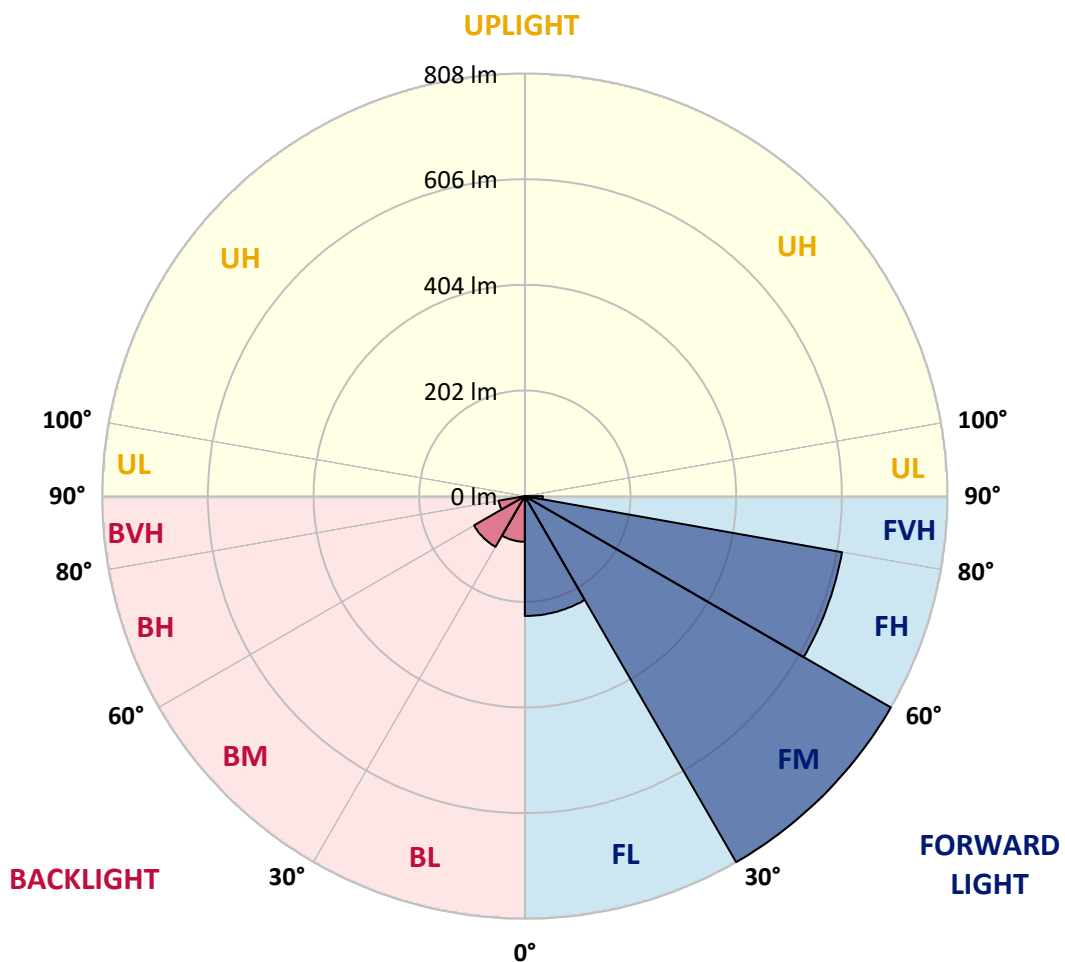
REPORT NUMBER: P677415
 CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 229.2 | 11.8 | | | |
| FM (30°-60°) | 808.1 | 41.7 | | | |
| FH (60°-80°) | 615.8 | 31.8 | | | G0/660 |
| FVH (80°-90°) | 34.3 | 1.8 | | | G1/100 |
| BL (0°-30°) | 87.2 | 4.5 | B0/110 | | |
| BM (30°-60°) | 112.1 | 5.8 | B0/220 | | |
| BH (60°-80°) | 50.9 | 2.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.6 | 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: P677415

CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 |
| 2.5° | 756.5 | 765.4 | 757.0 | 727.7 | 722.5 | 708.4 | 686.9 | 685.4 | 662.9 | 665.5 | 653.5 |
| 5° | 711.0 | 719.9 | 702.1 | 663.4 | 627.4 | 598.6 | 581.3 | 550.5 | 543.7 | 528.5 | 528.5 |
| 7.5° | 664.5 | 663.9 | 633.6 | 601.2 | 547.4 | 494.6 | 470.5 | 426.1 | 399.9 | 385.8 | 372.2 |
| 10° | 625.8 | 617.4 | 598.6 | 531.7 | 473.1 | 418.2 | 388.4 | 359.2 | 332.0 | 308.4 | 284.9 |
| 12.5° | 598.6 | 603.8 | 574.0 | 501.4 | 425.6 | 387.4 | 355.5 | 324.7 | 292.2 | 265.6 | 239.4 |
| 15° | 612.7 | 604.3 | 569.3 | 494.6 | 417.7 | 365.4 | 323.1 | 285.4 | 249.4 | 214.3 | 194.5 |
| 17.5° | 656.6 | 635.2 | 593.9 | 494.6 | 401.5 | 332.0 | 280.7 | 236.3 | 197.6 | 166.2 | 141.7 |
| 20° | 715.7 | 691.1 | 646.7 | 512.9 | 389.5 | 307.4 | 237.3 | 181.4 | 141.2 | 111.9 | 93.1 |
| 22.5° | 776.3 | 757.0 | 690.1 | 520.2 | 375.4 | 274.5 | 187.2 | 131.2 | 94.1 | 75.3 | 65.9 |
| 25° | 849.0 | 821.8 | 748.6 | 549.5 | 354.5 | 242.6 | 147.4 | 91.5 | 70.1 | 60.1 | 54.4 |
| 27.5° | 907.0 | 902.3 | 803.5 | 567.2 | 338.8 | 216.4 | 116.6 | 72.7 | 58.0 | 50.7 | 47.1 |
| 30° | 980.2 | 954.6 | 870.4 | 602.8 | 321.0 | 186.6 | 97.2 | 65.3 | 53.3 | 45.5 | 42.9 |
| 32.5° | 1024.2 | 1012.1 | 905.5 | 622.6 | 301.1 | 162.1 | 83.6 | 57.5 | 48.6 | 42.9 | 40.3 |
| 35° | 1087.9 | 1063.9 | 955.7 | 635.2 | 290.7 | 148.0 | 75.3 | 52.3 | 40.8 | 35.0 | 31.9 |
| 37.5° | 1159.0 | 1150.1 | 1015.8 | 634.7 | 275.5 | 139.6 | 69.5 | 48.6 | 38.7 | 32.4 | 28.8 |
| 40° | 1231.7 | 1195.6 | 1052.4 | 649.3 | 267.7 | 133.3 | 65.3 | 46.5 | 36.6 | 30.8 | 26.1 |
| 42.5° | 1286.1 | 1244.8 | 1094.7 | 644.1 | 258.3 | 122.3 | 63.8 | 43.4 | 35.0 | 28.2 | 24.0 |
| 45° | 1300.7 | 1286.1 | 1132.9 | 642.5 | 251.5 | 113.4 | 61.2 | 42.9 | 34.0 | 26.7 | 22.5 |
| 47.5° | 1328.9 | 1319.0 | 1179.9 | 645.1 | 246.2 | 106.6 | 54.9 | 43.9 | 32.4 | 25.1 | 21.4 |
| 50° | 1341.5 | 1323.7 | 1218.1 | 651.4 | 234.2 | 98.3 | 49.1 | 46.0 | 31.9 | 24.6 | 20.4 |
| 52.5° | 1393.2 | 1377.6 | 1270.4 | 669.2 | 224.3 | 87.3 | 43.4 | 43.9 | 32.9 | 23.0 | 19.3 |
| 55° | 1444.0 | 1426.2 | 1350.9 | 710.0 | 210.2 | 78.4 | 37.1 | 38.7 | 31.4 | 20.9 | 17.3 |
| 57.5° | 1513.5 | 1484.2 | 1404.7 | 726.7 | 197.6 | 66.4 | 32.9 | 31.9 | 29.3 | 18.8 | 15.2 |
| 60° | 1523.9 | 1536.0 | 1396.9 | 716.2 | 184.5 | 58.6 | 28.8 | 24.6 | 31.4 | 16.7 | 13.1 |
| 62.5° | 1559.0 | 1508.8 | 1360.3 | 692.2 | 175.1 | 53.8 | 25.6 | 20.4 | 27.2 | 14.6 | 11.0 |
| 65° | 1491.5 | 1454.4 | 1274.6 | 614.8 | 163.1 | 54.4 | 22.5 | 16.7 | 17.3 | 12.0 | 8.9 |
| 67.5° | 1392.7 | 1363.4 | 1132.4 | 530.6 | 151.1 | 53.3 | 19.9 | 14.6 | 13.1 | 10.5 | 7.8 |
| 70° | 1222.3 | 1159.0 | 961.9 | 430.8 | 133.3 | 49.7 | 16.7 | 13.1 | 11.0 | 8.4 | 5.8 |
| 72.5° | 889.3 | 863.7 | 690.1 | 333.0 | 119.7 | 45.0 | 15.7 | 11.0 | 9.4 | 6.3 | 4.7 |
| 75° | 598.6 | 556.3 | 435.5 | 218.5 | 96.2 | 39.2 | 13.1 | 9.9 | 7.3 | 4.7 | 3.7 |
| 77.5° | 316.3 | 299.0 | 246.8 | 104.0 | 53.3 | 18.3 | 7.3 | 5.8 | 4.2 | 3.7 | 2.1 |
| 80° | 137.0 | 121.8 | 106.6 | 42.3 | 18.8 | 8.4 | 4.7 | 3.1 | 2.6 | 2.1 | 1.0 |
| 82.5° | 70.1 | 66.9 | 55.4 | 18.3 | 11.0 | 6.3 | 2.6 | 2.1 | 1.6 | 1.0 | 0.5 |
| 85° | 34.5 | 35.5 | 29.3 | 5.8 | 6.3 | 3.7 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.6 | 2.6 | 2.1 | 1.0 | 1.6 | 0.5 | 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: P677415
 CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 |
| 2.5° | 648.8 | 656.1 | 643.6 | 651.4 | 647.7 | 649.3 | 650.9 | 646.7 | 647.7 | 662.4 | 662.9 |
| 5° | 519.7 | 533.8 | 528.5 | 535.9 | 548.4 | 542.1 | 547.9 | 546.8 | 547.9 | 550.0 | 559.4 |
| 7.5° | 370.7 | 366.5 | 376.4 | 395.8 | 418.2 | 431.8 | 425.0 | 421.4 | 419.3 | 414.1 | 420.3 |
| 10° | 279.7 | 277.6 | 275.0 | 280.7 | 295.4 | 310.5 | 318.9 | 304.8 | 296.9 | 287.0 | 283.4 |
| 12.5° | 232.1 | 219.1 | 211.7 | 202.8 | 207.0 | 220.6 | 221.1 | 207.5 | 195.0 | 189.8 | 195.5 |
| 15° | 183.0 | 174.1 | 161.0 | 148.5 | 142.2 | 152.7 | 143.8 | 130.7 | 114.5 | 112.4 | 111.9 |
| 17.5° | 130.7 | 125.5 | 116.1 | 110.8 | 103.5 | 100.9 | 91.5 | 71.6 | 60.1 | 57.0 | 58.0 |
| 20° | 88.9 | 84.7 | 84.2 | 79.5 | 76.3 | 74.2 | 59.1 | 46.0 | 42.3 | 42.9 | 43.4 |
| 22.5° | 65.9 | 63.8 | 61.2 | 60.6 | 58.0 | 55.4 | 43.4 | 38.7 | 36.1 | 36.1 | 37.6 |
| 25° | 53.8 | 52.8 | 50.2 | 49.1 | 48.1 | 44.4 | 36.6 | 32.9 | 31.9 | 30.8 | 32.4 |
| 27.5° | 46.0 | 45.5 | 43.9 | 42.3 | 41.3 | 37.6 | 31.9 | 28.8 | 27.7 | 27.7 | 27.7 |
| 30° | 41.3 | 41.3 | 39.2 | 36.1 | 36.1 | 31.9 | 27.2 | 25.1 | 24.0 | 24.0 | 23.5 |
| 32.5° | 38.7 | 37.6 | 35.0 | 32.9 | 31.4 | 27.2 | 24.0 | 22.0 | 20.4 | 20.4 | 20.9 |
| 35° | 31.4 | 31.4 | 30.8 | 29.3 | 27.2 | 23.0 | 20.4 | 18.3 | 17.3 | 16.7 | 17.3 |
| 37.5° | 27.7 | 26.1 | 24.0 | 24.6 | 23.5 | 19.9 | 17.3 | 15.7 | 14.1 | 14.1 | 14.1 |
| 40° | 25.1 | 23.5 | 21.4 | 19.9 | 19.3 | 17.8 | 15.2 | 12.5 | 11.0 | 10.5 | 10.5 |
| 42.5° | 22.5 | 21.4 | 18.3 | 15.7 | 15.2 | 15.2 | 11.5 | 9.4 | 7.8 | 7.8 | 7.8 |
| 45° | 20.9 | 19.3 | 16.7 | 13.6 | 11.0 | 11.5 | 9.4 | 6.8 | 5.8 | 5.2 | 5.2 |
| 47.5° | 19.9 | 18.3 | 14.6 | 11.5 | 8.4 | 8.4 | 6.8 | 4.7 | 3.7 | 3.1 | 3.1 |
| 50° | 18.3 | 16.7 | 13.1 | 9.4 | 6.3 | 5.2 | 4.2 | 2.6 | 1.6 | 1.0 | 1.0 |
| 52.5° | 17.3 | 15.7 | 11.5 | 7.8 | 5.2 | 3.7 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 |
| 55° | 15.7 | 13.6 | 9.9 | 6.3 | 4.2 | 2.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 13.6 | 12.0 | 7.8 | 4.7 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 11.5 | 9.9 | 6.3 | 3.7 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 9.4 | 8.4 | 4.7 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 7.8 | 6.3 | 3.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 6.8 | 5.2 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 5.2 | 3.7 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 3.7 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.5 | 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: P677415
 CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 |
| 2.5° | 665.0 | 680.7 | 695.3 | 699.5 | 711.0 | 742.9 | 742.9 | 758.0 | 785.2 | 795.2 | 797.3 |
| 5° | 561.0 | 577.7 | 580.8 | 613.2 | 628.4 | 660.8 | 682.2 | 733.5 | 764.3 | 783.7 | 795.7 |
| 7.5° | 426.6 | 432.3 | 444.4 | 474.7 | 504.5 | 543.7 | 584.5 | 649.8 | 704.2 | 726.2 | 766.9 |
| 10° | 293.3 | 310.5 | 336.7 | 363.9 | 410.4 | 453.8 | 506.6 | 568.3 | 635.2 | 662.4 | 697.4 |
| 12.5° | 197.6 | 221.7 | 263.5 | 302.2 | 345.0 | 389.0 | 439.1 | 521.7 | 597.6 | 635.2 | 670.2 |
| 15° | 115.5 | 144.8 | 180.9 | 243.6 | 300.6 | 349.7 | 399.9 | 483.6 | 575.6 | 624.2 | 667.1 |
| 17.5° | 58.6 | 67.4 | 97.2 | 151.6 | 226.9 | 307.4 | 382.2 | 488.8 | 592.3 | 651.9 | 687.5 |
| 20° | 43.9 | 46.5 | 54.9 | 80.5 | 155.3 | 254.1 | 365.4 | 496.7 | 638.9 | 711.5 | 730.9 |
| 22.5° | 38.2 | 40.3 | 43.9 | 52.3 | 87.3 | 194.5 | 341.9 | 516.0 | 702.1 | 770.6 | 811.4 |
| 25° | 32.4 | 34.5 | 37.6 | 42.9 | 55.9 | 132.3 | 313.2 | 536.4 | 758.6 | 844.8 | 883.0 |
| 27.5° | 28.2 | 29.8 | 32.9 | 37.1 | 45.5 | 84.2 | 263.5 | 563.6 | 844.8 | 934.8 | 944.7 |
| 30° | 24.0 | 25.6 | 28.2 | 32.9 | 38.7 | 59.6 | 193.4 | 567.2 | 892.4 | 974.0 | 1001.7 |
| 32.5° | 20.9 | 21.4 | 24.6 | 28.8 | 32.4 | 47.1 | 135.9 | 570.9 | 927.4 | 1024.7 | 1030.4 |
| 35° | 17.3 | 18.3 | 21.4 | 24.0 | 28.2 | 37.1 | 103.0 | 552.6 | 972.9 | 1077.0 | 1075.4 |
| 37.5° | 14.1 | 15.7 | 17.8 | 19.9 | 23.0 | 31.4 | 82.1 | 518.6 | 1029.9 | 1158.0 | 1108.8 |
| 40° | 11.0 | 12.5 | 14.6 | 17.3 | 19.3 | 28.2 | 61.7 | 467.4 | 1089.5 | 1197.7 | 1145.4 |
| 42.5° | 7.8 | 8.9 | 11.0 | 13.6 | 17.3 | 23.5 | 44.4 | 406.7 | 1113.0 | 1244.2 | 1189.4 |
| 45° | 5.8 | 6.8 | 8.4 | 11.5 | 17.8 | 18.8 | 30.8 | 351.3 | 1138.1 | 1264.6 | 1179.4 |
| 47.5° | 3.1 | 4.2 | 6.3 | 9.9 | 15.7 | 14.1 | 22.0 | 301.7 | 1166.9 | 1282.9 | 1187.3 |
| 50° | 1.0 | 1.6 | 3.7 | 10.5 | 12.5 | 11.0 | 17.3 | 275.0 | 1195.1 | 1286.6 | 1202.9 |
| 52.5° | 0.0 | 0.0 | 2.1 | 11.0 | 9.4 | 8.4 | 15.2 | 264.5 | 1187.8 | 1298.1 | 1193.0 |
| 55° | 0.0 | 0.0 | 0.5 | 4.7 | 5.2 | 6.3 | 12.5 | 264.0 | 1239.5 | 1301.8 | 1247.4 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.6 | 3.1 | 5.2 | 11.0 | 247.3 | 1272.5 | 1392.7 | 1320.6 |
| 60° | 0.0 | 0.0 | 0.0 | 0.5 | 2.1 | 3.7 | 8.4 | 232.6 | 1305.9 | 1433.5 | 1399.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.6 | 5.8 | 210.2 | 1238.5 | 1430.4 | 1474.8 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 166.2 | 1114.1 | 1355.6 | 1433.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 115.0 | 975.5 | 1261.5 | 1356.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.5 | 787.3 | 1106.2 | 1150.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.8 | 562.0 | 878.3 | 943.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 347.7 | 642.0 | 722.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 225.3 | 486.2 | 548.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 120.2 | 304.8 | 354.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.3 | 185.1 | 213.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | 112.4 | 128.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.3 | 23.0 |
| 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: P677415

CATALOG NUMBER: CCW-SA-1A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 | 741.3 |
| 2.5° | 798.3 | 813.5 | 819.2 | 810.3 | 811.4 | 793.1 | 790.5 | 764.8 | 754.4 | 756.5 |
| 5° | 834.9 | 856.9 | 868.9 | 858.9 | 836.5 | 801.4 | 769.6 | 739.2 | 720.4 | 711.0 |
| 7.5° | 826.5 | 851.1 | 866.3 | 875.7 | 850.1 | 793.6 | 745.0 | 688.0 | 663.9 | 664.5 |
| 10° | 780.5 | 831.8 | 862.6 | 850.6 | 838.6 | 782.1 | 706.8 | 645.1 | 623.7 | 625.8 |
| 12.5° | 743.4 | 800.4 | 818.7 | 828.1 | 803.5 | 758.6 | 707.9 | 637.3 | 613.2 | 598.6 |
| 15° | 720.4 | 762.8 | 763.8 | 778.4 | 768.5 | 768.5 | 718.8 | 649.8 | 628.9 | 612.7 |
| 17.5° | 720.4 | 729.8 | 728.8 | 734.0 | 750.7 | 770.6 | 746.5 | 700.5 | 659.2 | 656.6 |
| 20° | 736.6 | 707.3 | 700.5 | 702.6 | 716.7 | 775.8 | 807.7 | 750.2 | 724.1 | 715.7 |
| 22.5° | 774.3 | 710.0 | 668.7 | 661.3 | 704.7 | 775.3 | 846.9 | 828.6 | 783.1 | 776.3 |
| 25° | 826.0 | 705.2 | 660.3 | 650.9 | 683.8 | 794.1 | 900.8 | 904.4 | 863.1 | 849.0 |
| 27.5° | 875.2 | 726.2 | 659.2 | 657.2 | 700.5 | 789.9 | 937.9 | 965.1 | 918.5 | 907.0 |
| 30° | 891.9 | 747.1 | 678.6 | 650.9 | 706.8 | 805.1 | 936.8 | 1007.9 | 977.6 | 980.2 |
| 32.5° | 911.8 | 768.0 | 680.7 | 669.7 | 733.5 | 829.7 | 966.6 | 1077.0 | 1055.0 | 1024.2 |
| 35° | 941.0 | 796.2 | 700.5 | 690.6 | 752.3 | 851.6 | 972.9 | 1127.7 | 1124.0 | 1087.9 |
| 37.5° | 966.1 | 823.9 | 741.8 | 743.4 | 809.8 | 887.2 | 1000.6 | 1189.9 | 1183.6 | 1159.0 |
| 40° | 983.9 | 862.6 | 806.1 | 810.3 | 860.0 | 926.9 | 1049.8 | 1221.2 | 1267.8 | 1231.7 |
| 42.5° | 986.5 | 897.1 | 879.9 | 913.3 | 959.8 | 988.6 | 1069.6 | 1242.7 | 1309.6 | 1286.1 |
| 45° | 996.4 | 952.0 | 1000.1 | 1024.7 | 1062.8 | 1043.0 | 1068.6 | 1279.3 | 1312.7 | 1300.7 |
| 47.5° | 1035.1 | 1051.9 | 1112.5 | 1187.3 | 1200.9 | 1135.5 | 1093.7 | 1285.0 | 1330.5 | 1328.9 |
| 50° | 1075.4 | 1159.0 | 1244.2 | 1293.9 | 1311.2 | 1199.3 | 1117.2 | 1280.3 | 1354.0 | 1341.5 |
| 52.5° | 1120.3 | 1252.1 | 1374.9 | 1436.1 | 1426.7 | 1269.9 | 1143.9 | 1318.5 | 1397.4 | 1393.2 |
| 55° | 1148.6 | 1293.9 | 1459.1 | 1544.3 | 1537.0 | 1348.8 | 1228.6 | 1373.4 | 1454.4 | 1444.0 |
| 57.5° | 1223.3 | 1361.9 | 1542.8 | 1582.5 | 1601.8 | 1452.3 | 1287.6 | 1463.3 | 1502.0 | 1513.5 |
| 60° | 1285.0 | 1406.3 | 1564.7 | 1622.2 | 1629.0 | 1514.0 | 1391.2 | 1555.8 | 1562.6 | 1523.9 |
| 62.5° | 1375.5 | 1423.6 | 1518.2 | 1569.9 | 1605.0 | 1549.0 | 1484.2 | 1605.5 | 1561.6 | 1559.0 |
| 65° | 1441.9 | 1367.1 | 1431.4 | 1460.2 | 1482.6 | 1495.7 | 1577.8 | 1639.5 | 1542.2 | 1491.5 |
| 67.5° | 1404.7 | 1260.5 | 1248.4 | 1250.0 | 1256.8 | 1335.7 | 1546.4 | 1556.4 | 1434.5 | 1392.7 |
| 70° | 1236.4 | 1034.1 | 1017.9 | 1030.4 | 996.4 | 1091.6 | 1419.4 | 1414.7 | 1265.7 | 1222.3 |
| 72.5° | 1000.1 | 753.9 | 726.2 | 743.4 | 751.3 | 852.2 | 1194.1 | 1072.8 | 923.3 | 889.3 |
| 75° | 794.6 | 552.6 | 466.3 | 508.2 | 534.8 | 620.6 | 932.7 | 728.8 | 644.6 | 598.6 |
| 77.5° | 624.2 | 418.2 | 362.8 | 346.1 | 370.7 | 451.2 | 678.6 | 382.7 | 337.7 | 316.3 |
| 80° | 395.8 | 307.4 | 333.5 | 309.5 | 319.9 | 322.0 | 353.4 | 174.1 | 138.5 | 137.0 |
| 82.5° | 238.4 | 210.2 | 249.9 | 137.5 | 250.4 | 223.8 | 146.9 | 78.9 | 70.1 | 70.1 |
| 85° | 168.9 | 130.2 | 86.3 | 55.9 | 111.4 | 122.9 | 57.0 | 40.8 | 35.5 | 34.5 |
| 87.5° | 84.7 | 40.3 | 19.3 | 12.5 | 14.1 | 23.0 | 6.8 | 3.1 | 3.1 | 2.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)