

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: P400977

Luminaire Tested: **ENV-SA1A-740-U-T4W-HSS-ULG**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#####)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENV-SA1A-740-U-T4W-HSS-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3817 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U4 - G1

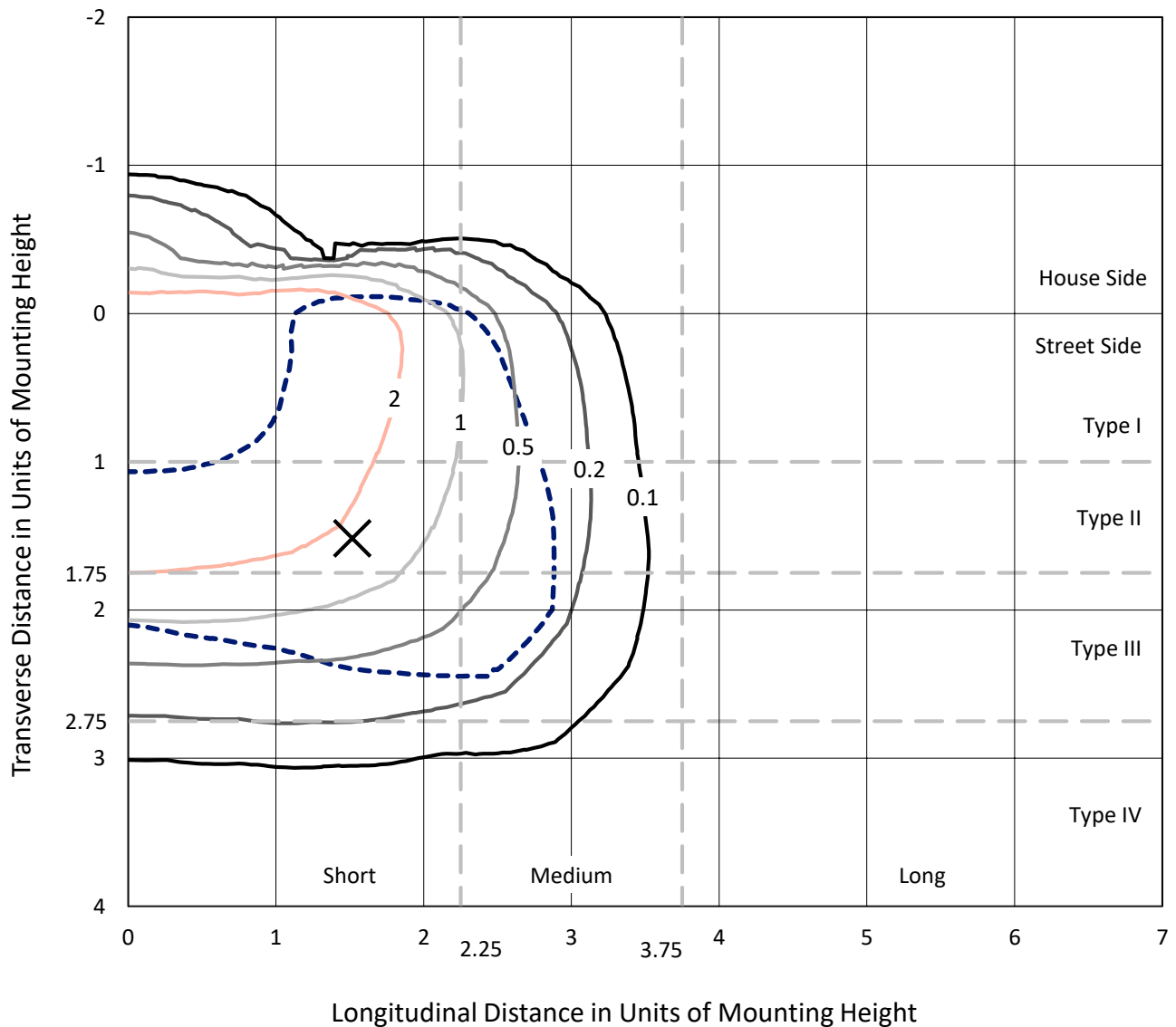
Input Watts (W): 36.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

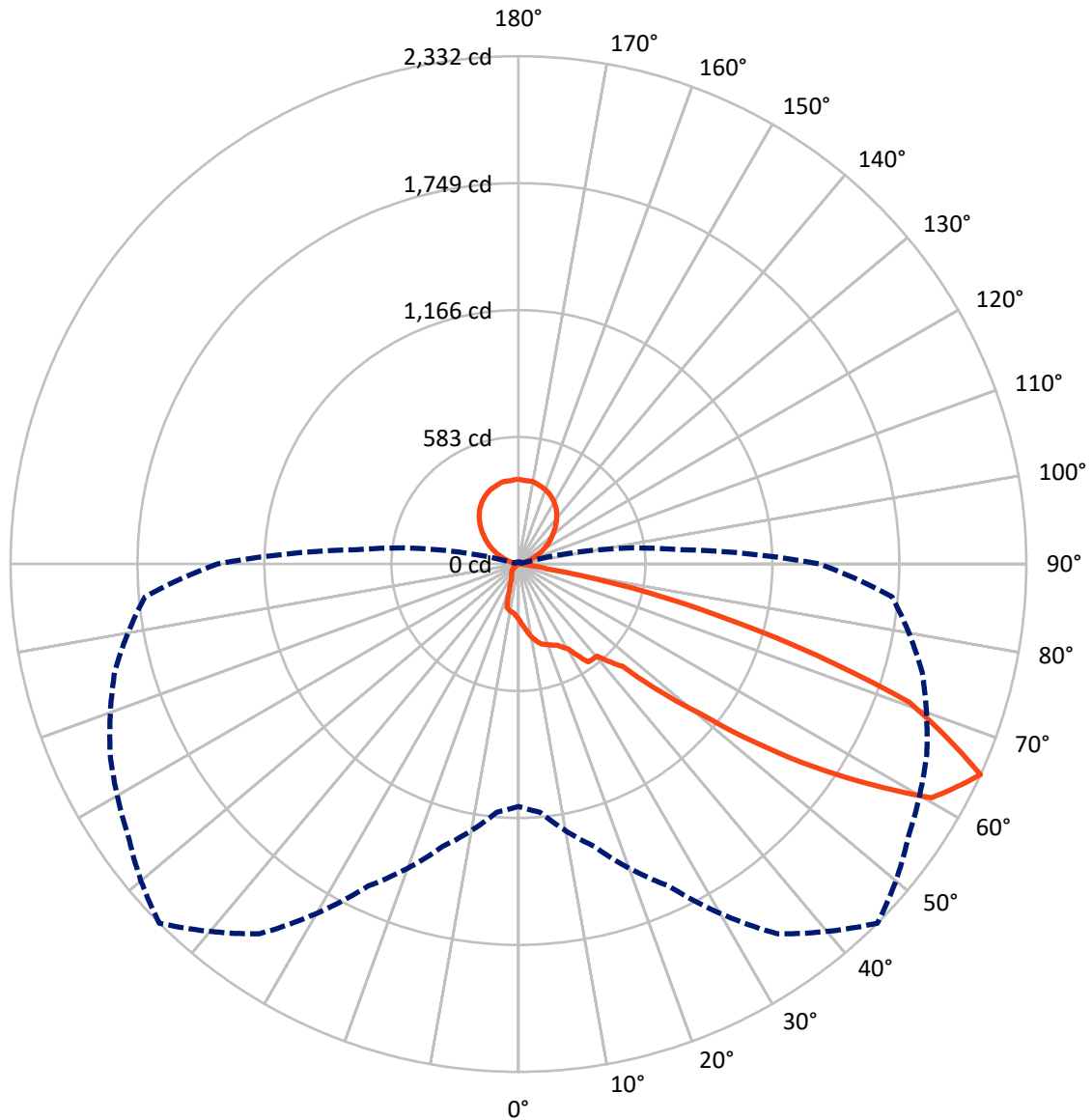
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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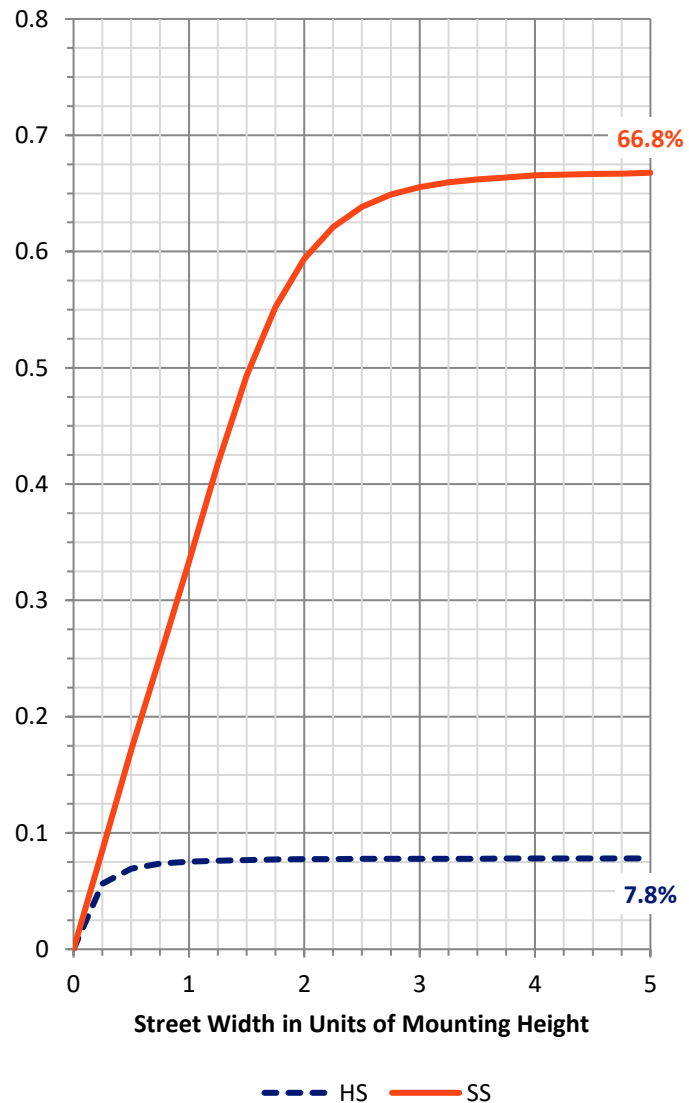
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 301.8 | 483.3 | 785.1 |
| | % Fixture | 7.9 | 12.7 | 20.6 |
| Street Side | Lumens | 2548.6 | 483.3 | 3031.9 |
| | % Fixture | 66.8 | 12.7 | 79.4 |
| Total | Lumens | 2850.3 | 966.7 | 3817.0 |
| | % Fixture | 74.7 | 25.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.6 | 0.7 |
| 10°-20° | 79.9 | 2.1 |
| 20°-30° | 130.9 | 3.4 |
| 30°-40° | 206.9 | 5.4 |
| 40°-50° | 397.6 | 10.4 |
| 50°-60° | 805.9 | 21.1 |
| 60°-70° | 891.4 | 23.4 |
| 70°-80° | 298.4 | 7.8 |
| 80°-90° | 13.8 | 0.4 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 32.7 | 0.9 |
| 110°-120° | 92.9 | 2.4 |
| 120°-130° | 152.2 | 4.0 |
| 130°-140° | 187.5 | 4.9 |
| 140°-150° | 191.7 | 5.0 |
| 150°-160° | 161.7 | 4.2 |
| 160°-170° | 106.4 | 2.8 |
| 170°-180° | 36.9 | 1.0 |
| 0°-90° | 2850.3 | 74.7 |
| 0°-180° | 3817.0 | 100.0 |



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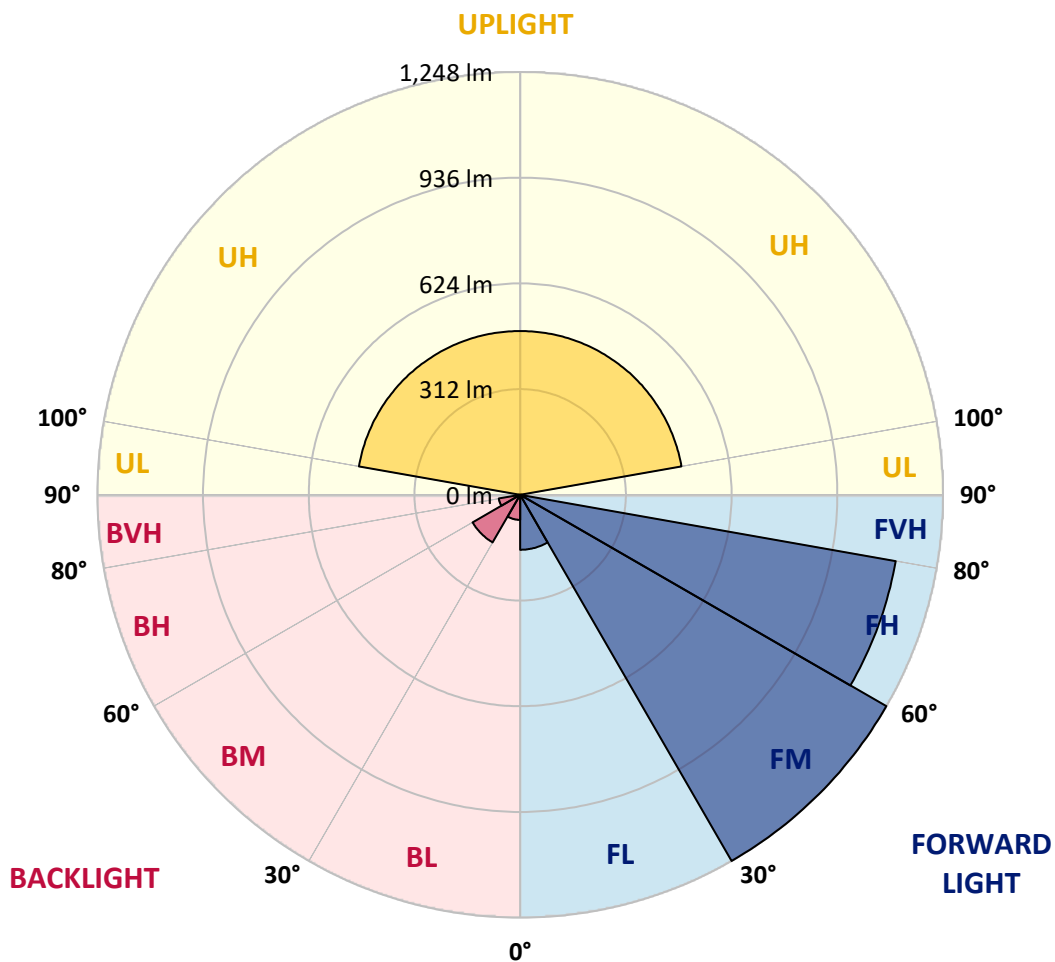
CATALOG NUMBER: ENV-SA1A-740-U-T4W-HSS-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 162.3 | 4.3 | | | |
| FM | (30°-60°) | 1248.2 | 32.7 | | | |
| FH | (60°-80°) | 1125.7 | 29.5 | | | G1/1800 |
| FVH | (80°-90°) | 12.4 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 74.0 | 1.9 | B0/110 | | |
| BM | (30°-60°) | 162.3 | 4.3 | B0/220 | | |
| BH | (60°-80°) | 64.1 | 1.7 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.4 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 483.3 | 12.7 | | U3/500 | |

BUG Rating: B0-U4-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 |
| 5° | 314.6 | 314.0 | 312.4 | 310.8 | 308.3 | 305.9 | 303.4 | 301.0 | 297.4 | 293.9 | 289.4 |
| 10° | 379.9 | 378.8 | 376.9 | 375.0 | 371.5 | 367.9 | 362.5 | 357.0 | 350.0 | 342.9 | 336.1 |
| 15° | 418.5 | 417.4 | 415.0 | 412.5 | 407.6 | 402.7 | 397.0 | 391.3 | 385.6 | 379.9 | 372.4 |
| 20° | 420.7 | 418.5 | 417.4 | 416.4 | 412.8 | 409.3 | 405.7 | 402.2 | 398.9 | 395.7 | 390.9 |
| 25° | 414.7 | 413.1 | 412.3 | 411.5 | 409.8 | 408.2 | 407.9 | 407.6 | 410.4 | 413.1 | 412.3 |
| 30° | 456.6 | 453.9 | 449.6 | 445.2 | 439.2 | 433.2 | 436.8 | 440.3 | 446.3 | 452.3 | 458.3 |
| 35° | 531.2 | 525.7 | 514.6 | 503.4 | 499.3 | 495.3 | 506.2 | 517.0 | 534.7 | 552.4 | 569.7 |
| 40° | 730.9 | 723.3 | 705.1 | 686.8 | 645.2 | 603.6 | 573.6 | 543.7 | 549.4 | 555.1 | 564.4 |
| 45° | 1031.4 | 1025.9 | 1006.9 | 987.8 | 932.8 | 877.9 | 806.9 | 735.8 | 702.9 | 670.0 | 688.9 |
| 50° | 1389.5 | 1388.4 | 1359.3 | 1330.1 | 1301.3 | 1272.5 | 1218.3 | 1164.2 | 1120.9 | 1077.6 | 1084.0 |
| 55° | 1741.1 | 1731.3 | 1712.8 | 1694.3 | 1711.4 | 1728.5 | 1755.8 | 1783.0 | 1713.0 | 1643.1 | 1602.2 |
| 60° | 1664.9 | 1667.6 | 1708.7 | 1749.8 | 1844.5 | 1939.2 | 2069.5 | 2199.9 | 2189.8 | 2179.7 | 2094.5 |
| 65° | 1113.0 | 1144.0 | 1242.8 | 1341.6 | 1486.1 | 1630.6 | 1851.5 | 2072.5 | 2202.0 | 2331.6 | 2262.6 |
| 70° | 447.9 | 459.9 | 525.5 | 591.1 | 743.4 | 895.8 | 1146.2 | 1396.5 | 1650.4 | 1904.3 | 1915.1 |
| 75° | 52.2 | 54.4 | 70.2 | 86.0 | 151.0 | 216.1 | 335.8 | 455.5 | 702.1 | 948.6 | 975.3 |
| 80° | 14.2 | 14.7 | 17.7 | 20.7 | 28.3 | 35.9 | 56.9 | 77.8 | 104.8 | 131.7 | 178.5 |
| 85° | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 1.1 | 3.8 |
| 90° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 2.8 | 2.8 | 3.0 | 3.3 | 3.6 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 100° | 4.5 | 4.5 | 4.7 | 5.0 | 5.3 | 5.6 | 6.2 | 6.7 | 9.2 | 11.7 | 13.9 |
| 105° | 11.7 | 12.2 | 13.7 | 15.0 | 17.5 | 20.0 | 23.4 | 26.7 | 30.9 | 35.0 | 37.6 |
| 110° | 36.7 | 37.9 | 39.6 | 41.2 | 44.8 | 48.4 | 52.6 | 56.8 | 60.1 | 63.5 | 65.1 |
| 115° | 77.9 | 77.4 | 79.6 | 81.9 | 85.2 | 88.5 | 91.1 | 93.6 | 95.2 | 96.9 | 98.3 |
| 120° | 125.3 | 124.1 | 125.0 | 125.8 | 127.8 | 129.7 | 130.8 | 131.9 | 133.6 | 135.3 | 136.1 |
| 125° | 165.9 | 163.7 | 164.3 | 164.8 | 165.7 | 166.5 | 168.2 | 169.8 | 171.2 | 172.6 | 173.5 |
| 130° | 202.1 | 201.0 | 201.3 | 201.5 | 202.7 | 203.8 | 204.9 | 206.0 | 206.5 | 207.1 | 208.5 |
| 135° | 238.8 | 237.2 | 237.2 | 237.2 | 238.9 | 240.5 | 241.4 | 242.2 | 242.7 | 243.3 | 245.0 |
| 140° | 271.7 | 270.0 | 270.6 | 271.1 | 271.7 | 272.2 | 272.8 | 273.4 | 275.1 | 276.7 | 277.6 |
| 145° | 306.2 | 304.0 | 303.4 | 302.9 | 303.7 | 304.6 | 305.4 | 306.2 | 306.5 | 306.7 | 308.2 |
| 150° | 331.3 | 329.6 | 329.9 | 330.1 | 330.1 | 330.1 | 330.1 | 330.1 | 330.1 | 330.1 | 331.3 |
| 155° | 350.2 | 347.9 | 347.9 | 347.9 | 348.5 | 349.1 | 350.0 | 350.8 | 350.2 | 349.6 | 349.1 |
| 160° | 369.1 | 367.4 | 367.2 | 366.9 | 366.1 | 365.2 | 365.0 | 364.6 | 364.6 | 364.6 | 365.5 |
| 165° | 379.1 | 377.5 | 376.9 | 376.3 | 376.3 | 376.3 | 375.5 | 374.7 | 374.7 | 374.7 | 374.4 |
| 170° | 388.6 | 387.0 | 386.1 | 385.3 | 385.3 | 385.3 | 385.5 | 385.8 | 385.3 | 384.7 | 383.3 |
| 175° | 389.7 | 388.6 | 388.3 | 388.1 | 387.5 | 387.0 | 385.9 | 384.7 | 384.5 | 384.1 | 384.1 |
| 180° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |



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CATALOG NUMBER: ENV-SA1A-740-U-T4W-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 |
| 5° | 285.2 | 281.1 | 277.0 | 272.7 | 268.3 | 264.2 | 260.2 | 255.8 | 252.5 | 249.0 | 245.5 |
| 10° | 327.6 | 319.7 | 311.9 | 304.0 | 296.1 | 287.6 | 279.2 | 270.5 | 262.9 | 255.8 | 248.7 |
| 15° | 365.2 | 357.3 | 349.4 | 338.8 | 328.2 | 316.2 | 304.2 | 291.7 | 280.3 | 270.2 | 260.2 |
| 20° | 386.4 | 380.4 | 374.4 | 365.2 | 355.9 | 342.9 | 329.8 | 317.3 | 303.1 | 290.1 | 277.0 |
| 25° | 412.0 | 410.4 | 408.7 | 401.9 | 395.1 | 382.3 | 369.5 | 354.9 | 339.1 | 320.6 | 302.1 |
| 30° | 463.2 | 463.4 | 463.7 | 464.2 | 464.8 | 451.5 | 438.1 | 420.2 | 396.8 | 364.4 | 332.0 |
| 35° | 585.1 | 586.2 | 587.2 | 554.6 | 521.9 | 489.8 | 457.7 | 443.0 | 434.3 | 378.0 | 321.7 |
| 40° | 572.6 | 576.9 | 581.3 | 567.9 | 554.6 | 555.4 | 556.2 | 560.6 | 547.5 | 404.4 | 261.2 |
| 45° | 709.2 | 760.3 | 811.5 | 850.9 | 890.4 | 917.6 | 944.8 | 914.3 | 810.9 | 485.2 | 159.5 |
| 50° | 1098.8 | 1161.2 | 1223.5 | 1233.8 | 1244.2 | 1287.2 | 1330.1 | 1275.7 | 1012.3 | 545.1 | 77.8 |
| 55° | 1553.8 | 1588.9 | 1624.0 | 1639.8 | 1655.6 | 1712.5 | 1769.4 | 1591.9 | 1108.1 | 575.8 | 43.5 |
| 60° | 2002.3 | 1989.0 | 1975.6 | 1971.5 | 1967.5 | 1987.3 | 2007.2 | 1680.6 | 1011.8 | 520.0 | 28.3 |
| 65° | 2185.2 | 2126.7 | 2068.2 | 1993.6 | 1919.0 | 1820.0 | 1720.9 | 1381.3 | 746.2 | 381.8 | 17.4 |
| 70° | 1892.4 | 1750.6 | 1608.8 | 1399.8 | 1190.8 | 1025.4 | 859.9 | 681.9 | 357.6 | 184.8 | 12.0 |
| 75° | 994.3 | 853.9 | 713.5 | 553.2 | 392.9 | 300.7 | 208.4 | 148.0 | 72.4 | 40.3 | 8.2 |
| 80° | 206.3 | 170.1 | 133.9 | 112.7 | 91.4 | 56.3 | 21.2 | 17.4 | 10.3 | 7.6 | 4.9 |
| 85° | 7.1 | 10.6 | 14.2 | 15.2 | 16.3 | 9.3 | 2.2 | 1.6 | 1.1 | 1.1 | 1.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 3.9 | 4.2 | 4.5 | 4.2 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 100° | 16.2 | 15.3 | 14.5 | 13.7 | 12.8 | 11.7 | 10.6 | 10.6 | 10.6 | 11.7 | 12.8 |
| 105° | 40.1 | 39.5 | 39.0 | 37.6 | 36.2 | 35.0 | 34.0 | 34.0 | 34.0 | 35.1 | 36.2 |
| 110° | 66.8 | 67.1 | 67.4 | 66.8 | 66.2 | 65.4 | 64.6 | 65.1 | 64.6 | 65.4 | 66.2 |
| 115° | 99.7 | 100.5 | 101.3 | 100.5 | 99.7 | 99.1 | 98.6 | 99.1 | 98.6 | 99.1 | 99.7 |
| 120° | 136.9 | 138.1 | 139.2 | 137.8 | 136.4 | 135.8 | 135.3 | 135.3 | 135.3 | 135.8 | 136.4 |
| 125° | 174.3 | 174.8 | 175.4 | 174.0 | 172.6 | 172.6 | 172.6 | 172.6 | 172.6 | 172.6 | 172.6 |
| 130° | 209.9 | 211.0 | 212.1 | 212.1 | 212.1 | 211.6 | 211.0 | 211.6 | 211.0 | 211.6 | 212.1 |
| 135° | 246.7 | 248.0 | 249.4 | 249.2 | 248.9 | 249.7 | 250.5 | 251.1 | 250.5 | 249.7 | 248.9 |
| 140° | 278.4 | 278.9 | 279.5 | 280.0 | 280.6 | 282.0 | 283.4 | 284.5 | 283.4 | 282.0 | 280.6 |
| 145° | 309.6 | 311.2 | 312.9 | 312.6 | 312.3 | 311.5 | 310.7 | 311.8 | 310.7 | 311.5 | 312.3 |
| 150° | 332.4 | 333.2 | 334.1 | 334.9 | 335.7 | 336.6 | 337.4 | 339.6 | 337.4 | 336.6 | 335.7 |
| 155° | 348.5 | 349.9 | 351.3 | 352.7 | 354.1 | 354.6 | 355.2 | 356.9 | 355.2 | 354.6 | 354.1 |
| 160° | 366.3 | 368.0 | 369.7 | 368.8 | 368.0 | 367.7 | 367.4 | 370.8 | 367.4 | 367.7 | 368.0 |
| 165° | 374.1 | 375.5 | 376.9 | 377.8 | 378.6 | 378.0 | 377.5 | 379.7 | 377.5 | 378.0 | 378.6 |
| 170° | 381.9 | 382.8 | 383.6 | 385.0 | 386.4 | 387.0 | 387.5 | 390.3 | 387.5 | 387.0 | 386.4 |
| 175° | 384.1 | 385.5 | 387.0 | 387.2 | 387.5 | 387.0 | 386.4 | 389.1 | 386.4 | 387.0 | 387.5 |
| 180° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |



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CATALOG NUMBER: ENV-SA1A-740-U-T4W-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 | 253.1 |
| 5° | 242.5 | 239.5 | 236.7 | 234.0 | 231.6 | 229.1 | 228.0 | 227.0 | 225.9 | 224.8 | 224.0 |
| 10° | 242.7 | 236.7 | 231.9 | 227.0 | 223.1 | 219.3 | 216.9 | 214.4 | 212.8 | 211.2 | 210.1 |
| 15° | 251.7 | 243.3 | 236.5 | 229.7 | 218.8 | 207.9 | 189.1 | 170.4 | 155.7 | 141.0 | 131.2 |
| 20° | 265.6 | 254.2 | 223.4 | 192.7 | 155.9 | 119.2 | 104.0 | 88.7 | 87.1 | 85.4 | 86.0 |
| 25° | 264.2 | 226.4 | 164.4 | 102.3 | 89.3 | 76.2 | 76.5 | 76.7 | 77.0 | 77.3 | 78.1 |
| 30° | 239.2 | 146.4 | 106.9 | 67.5 | 66.1 | 64.8 | 65.0 | 65.3 | 66.1 | 66.9 | 68.3 |
| 35° | 197.0 | 72.4 | 65.6 | 58.8 | 57.1 | 55.5 | 54.4 | 53.3 | 53.1 | 52.8 | 53.1 |
| 40° | 159.2 | 57.1 | 54.4 | 51.7 | 49.8 | 47.9 | 45.7 | 43.5 | 41.4 | 39.2 | 37.3 |
| 45° | 105.3 | 51.2 | 48.2 | 45.2 | 42.5 | 39.7 | 35.6 | 31.6 | 28.3 | 25.0 | 23.1 |
| 50° | 61.0 | 44.1 | 40.8 | 37.6 | 33.7 | 29.9 | 25.6 | 21.2 | 18.8 | 16.3 | 15.5 |
| 55° | 39.5 | 35.4 | 31.6 | 27.8 | 24.5 | 21.2 | 18.8 | 16.3 | 15.2 | 14.2 | 13.6 |
| 60° | 26.1 | 23.9 | 21.5 | 19.0 | 17.4 | 15.8 | 14.7 | 13.6 | 12.8 | 12.0 | 11.4 |
| 65° | 16.1 | 14.7 | 13.6 | 12.5 | 12.0 | 11.4 | 10.9 | 10.3 | 9.8 | 9.3 | 8.4 |
| 70° | 10.6 | 9.3 | 8.7 | 8.2 | 8.2 | 8.2 | 7.9 | 7.6 | 6.8 | 6.0 | 5.2 |
| 75° | 7.3 | 6.5 | 6.3 | 6.0 | 5.7 | 5.4 | 5.2 | 4.9 | 4.6 | 4.4 | 3.8 |
| 80° | 4.9 | 4.9 | 5.2 | 5.4 | 5.7 | 6.0 | 6.0 | 6.0 | 5.7 | 5.4 | 5.7 |
| 85° | 1.4 | 1.6 | 1.6 | 1.6 | 1.9 | 2.2 | 2.2 | 2.2 | 2.4 | 2.7 | 2.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 4.2 | 4.5 | 4.2 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.6 |
| 100° | 13.7 | 14.5 | 15.3 | 16.2 | 13.9 | 11.7 | 9.2 | 6.7 | 6.2 | 5.6 | 5.3 |
| 105° | 37.6 | 39.0 | 39.6 | 40.1 | 37.6 | 35.0 | 30.9 | 26.7 | 23.4 | 20.0 | 17.5 |
| 110° | 66.8 | 67.4 | 67.1 | 66.8 | 65.1 | 63.5 | 60.1 | 56.8 | 52.6 | 48.4 | 44.8 |
| 115° | 100.5 | 101.3 | 100.5 | 99.7 | 98.3 | 96.9 | 95.2 | 93.6 | 91.1 | 88.5 | 85.2 |
| 120° | 137.8 | 139.2 | 138.1 | 136.9 | 136.1 | 135.3 | 133.6 | 131.9 | 130.8 | 129.7 | 127.8 |
| 125° | 174.0 | 175.4 | 174.8 | 174.3 | 173.5 | 172.6 | 171.2 | 169.8 | 168.2 | 166.5 | 165.7 |
| 130° | 212.1 | 212.1 | 211.0 | 209.9 | 208.5 | 207.1 | 206.5 | 206.0 | 204.9 | 203.8 | 202.7 |
| 135° | 249.2 | 249.4 | 248.1 | 246.7 | 245.0 | 243.3 | 242.7 | 242.2 | 241.4 | 240.5 | 238.9 |
| 140° | 280.1 | 279.5 | 278.9 | 278.4 | 277.6 | 276.7 | 275.1 | 273.4 | 272.8 | 272.2 | 271.7 |
| 145° | 312.6 | 312.9 | 311.3 | 309.6 | 308.2 | 306.7 | 306.5 | 306.2 | 305.4 | 304.6 | 303.7 |
| 150° | 334.9 | 334.1 | 333.2 | 332.4 | 331.3 | 330.1 | 330.1 | 330.1 | 330.1 | 330.1 | 330.1 |
| 155° | 352.7 | 351.3 | 350.0 | 348.5 | 349.1 | 349.6 | 350.2 | 350.8 | 350.0 | 349.1 | 348.5 |
| 160° | 368.8 | 369.7 | 368.0 | 366.3 | 365.5 | 364.6 | 364.6 | 364.6 | 365.0 | 365.2 | 366.1 |
| 165° | 377.8 | 376.9 | 375.5 | 374.1 | 374.4 | 374.7 | 374.7 | 374.7 | 375.5 | 376.3 | 376.3 |
| 170° | 385.0 | 383.6 | 382.8 | 381.9 | 383.3 | 384.7 | 385.3 | 385.8 | 385.5 | 385.3 | 385.3 |
| 175° | 387.2 | 387.0 | 385.5 | 384.1 | 384.1 | 384.1 | 384.5 | 384.7 | 385.9 | 387.0 | 387.5 |
| 180° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |



REPORT NUMBER: P400977

CATALOG NUMBER: ENV-SA1A-740-U-T4W-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|------|-------|-------|-------|-------|
| 0° | 253.1 | 253.1 | 253.1 | 253.1 |
| 5° | 223.1 | 222.9 | 222.6 | 222.6 |
| 10° | 209.0 | 208.7 | 208.4 | 209.0 |
| 15° | 121.4 | 118.4 | 115.4 | 114.3 |
| 20° | 86.5 | 87.6 | 88.7 | 88.7 |
| 25° | 78.9 | 80.0 | 81.1 | 81.6 |
| 30° | 69.7 | 70.8 | 71.8 | 72.9 |
| 35° | 53.3 | 54.2 | 55.0 | 55.0 |
| 40° | 35.4 | 34.6 | 33.7 | 33.7 |
| 45° | 21.2 | 20.7 | 20.1 | 20.1 |
| 50° | 14.7 | 14.7 | 14.7 | 14.7 |
| 55° | 13.1 | 12.8 | 12.5 | 12.5 |
| 60° | 10.9 | 10.6 | 10.3 | 10.3 |
| 65° | 7.6 | 7.1 | 6.5 | 6.5 |
| 70° | 4.4 | 4.1 | 3.8 | 3.3 |
| 75° | 3.3 | 3.0 | 2.7 | 2.7 |
| 80° | 6.0 | 5.4 | 4.9 | 3.8 |
| 85° | 2.7 | 2.4 | 2.2 | 2.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 3.3 | 3.0 | 2.8 | 2.8 |
| 100° | 5.0 | 4.7 | 4.5 | 4.5 |
| 105° | 15.0 | 13.7 | 12.2 | 11.7 |
| 110° | 41.2 | 39.6 | 37.9 | 36.7 |
| 115° | 81.9 | 79.6 | 77.4 | 77.9 |
| 120° | 125.8 | 125.0 | 124.1 | 125.3 |
| 125° | 164.8 | 164.3 | 163.7 | 165.9 |
| 130° | 201.5 | 201.3 | 201.0 | 202.1 |
| 135° | 237.2 | 237.2 | 237.2 | 238.8 |
| 140° | 271.1 | 270.6 | 270.0 | 271.7 |
| 145° | 302.9 | 303.4 | 304.0 | 306.2 |
| 150° | 330.1 | 329.9 | 329.6 | 331.3 |
| 155° | 347.9 | 347.9 | 347.9 | 350.2 |
| 160° | 366.9 | 367.2 | 367.4 | 369.1 |
| 165° | 376.3 | 376.9 | 377.5 | 379.1 |
| 170° | 385.3 | 386.1 | 387.0 | 388.6 |
| 175° | 388.1 | 388.3 | 388.6 | 389.7 |
| 180° | 389.7 | 389.7 | 389.7 | 389.7 |

(END OF REPORT)