

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: P401145

Luminaire Tested: **ENV-SA1B-740-U-T2-HSS-ULG**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P401145
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-SA1B-740-U-T2-HSS-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4372 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B0 - U5 - G1

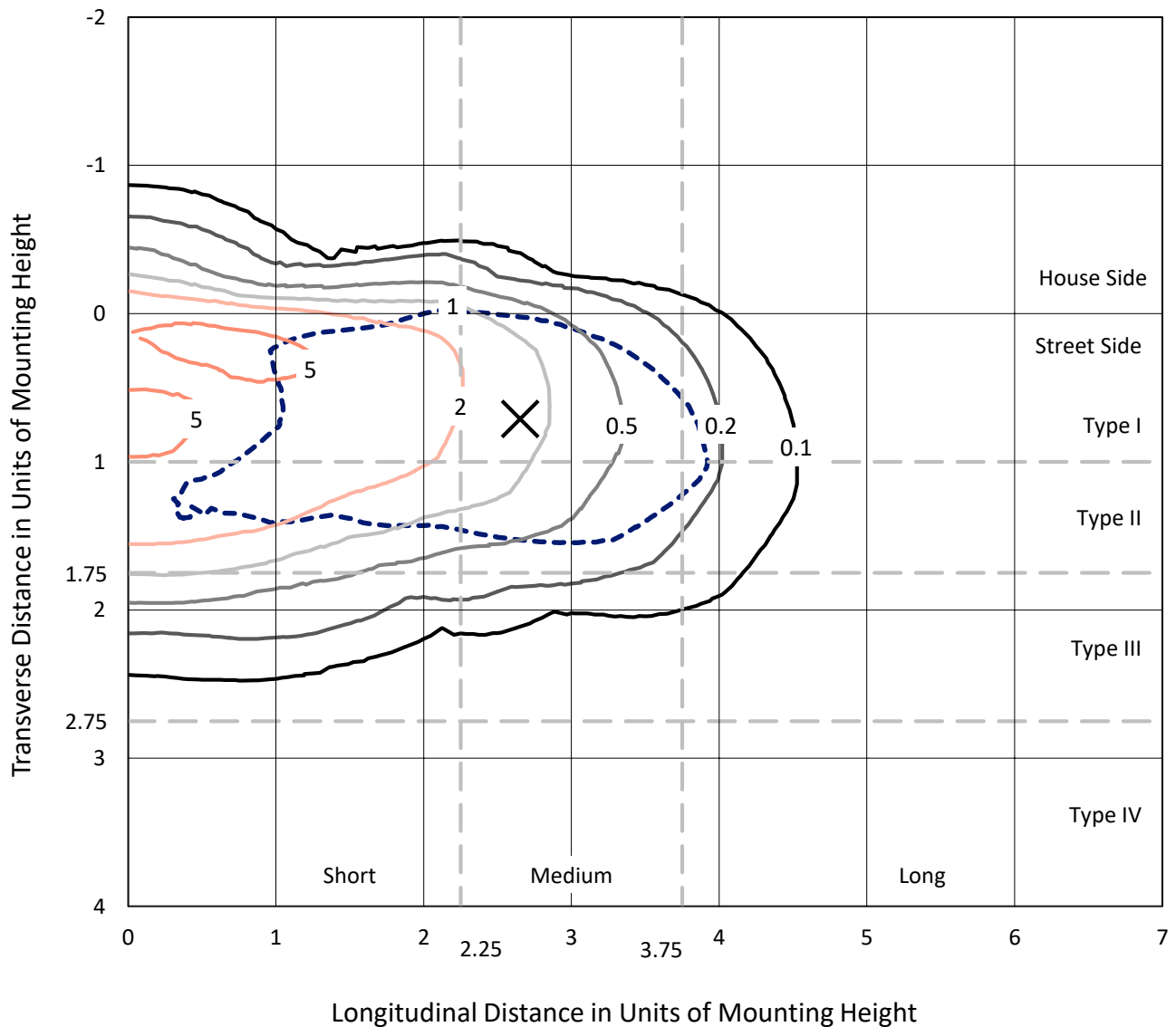
Input Watts (W): 42.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P401145
 CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

Iso-Footcandle Lines of Horizontal Illumination

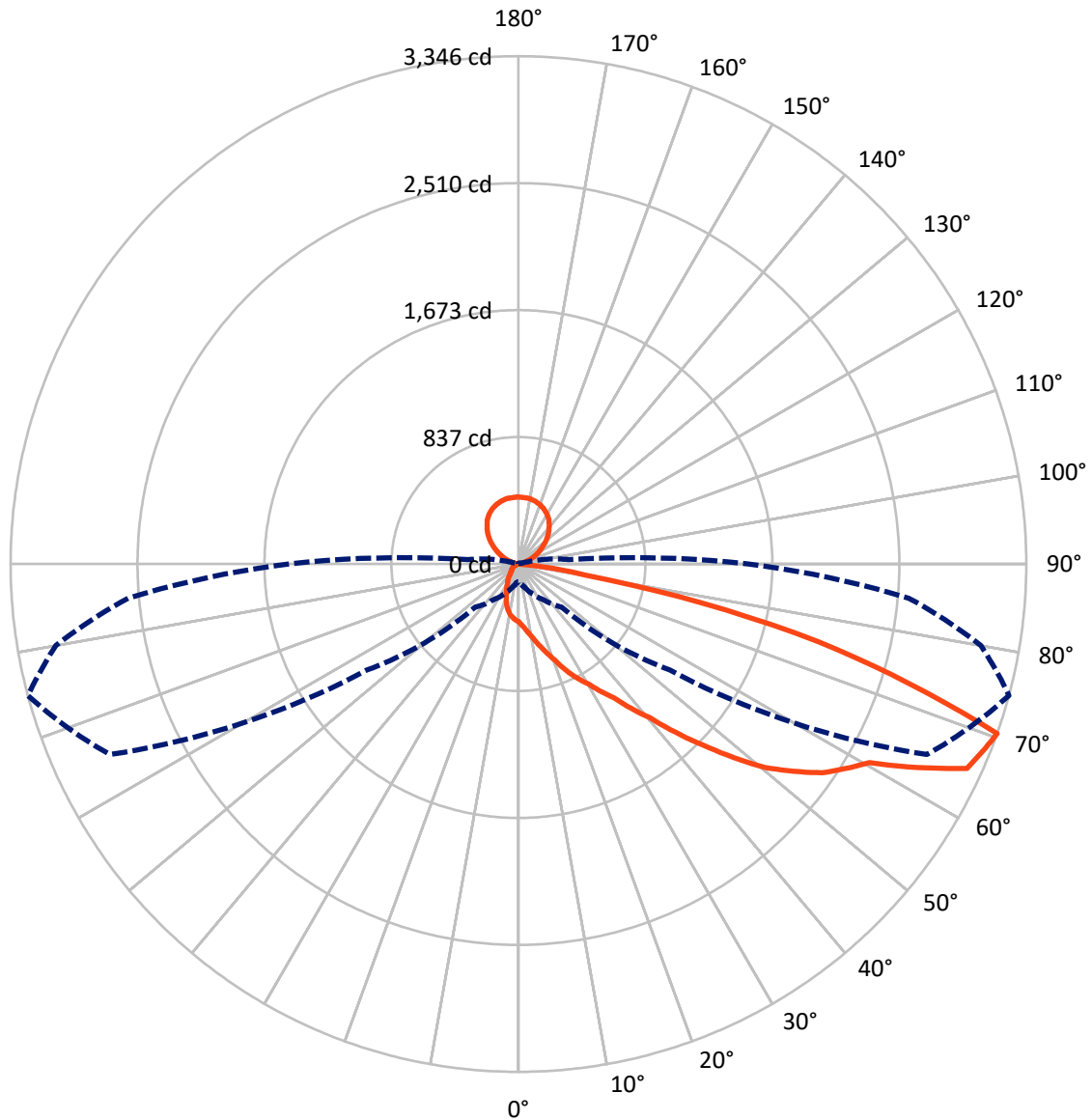
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P401145
CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P401145

CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

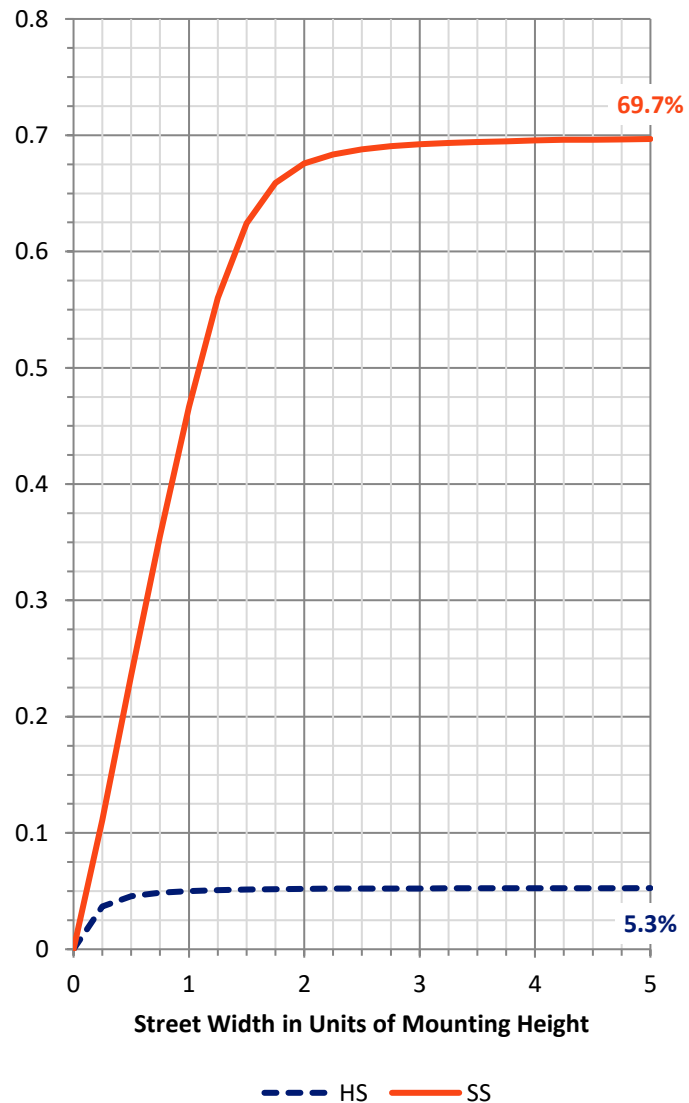
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 232.2 | 547.7 | 779.9 |
| | % Fixture | 5.3 | 12.5 | 17.8 |
| Street Side | Lumens | 3044.4 | 547.7 | 3592.1 |
| | % Fixture | 69.6 | 12.5 | 82.2 |
| Total | Lumens | 3276.6 | 1095.4 | 4372.0 |
| | % Fixture | 74.9 | 25.1 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.7 | 0.8 |
| 10°-20° | 105.4 | 2.4 |
| 20°-30° | 186.3 | 4.3 |
| 30°-40° | 328.2 | 7.5 |
| 40°-50° | 563.5 | 12.9 |
| 50°-60° | 839.6 | 19.2 |
| 60°-70° | 827.1 | 18.9 |
| 70°-80° | 369.0 | 8.4 |
| 80°-90° | 20.8 | 0.5 |
| 90°-100° | 5.3 | 0.1 |
| 100°-110° | 37.0 | 0.8 |
| 110°-120° | 105.3 | 2.4 |
| 120°-130° | 172.4 | 3.9 |
| 130°-140° | 212.5 | 4.9 |
| 140°-150° | 217.3 | 5.0 |
| 150°-160° | 183.2 | 4.2 |
| 160°-170° | 120.6 | 2.8 |
| 170°-180° | 41.8 | 1.0 |
| 0°-90° | 3276.6 | 74.9 |
| 0°-180° | 4372.0 | 100.0 |



REPORT NUMBER: P401145

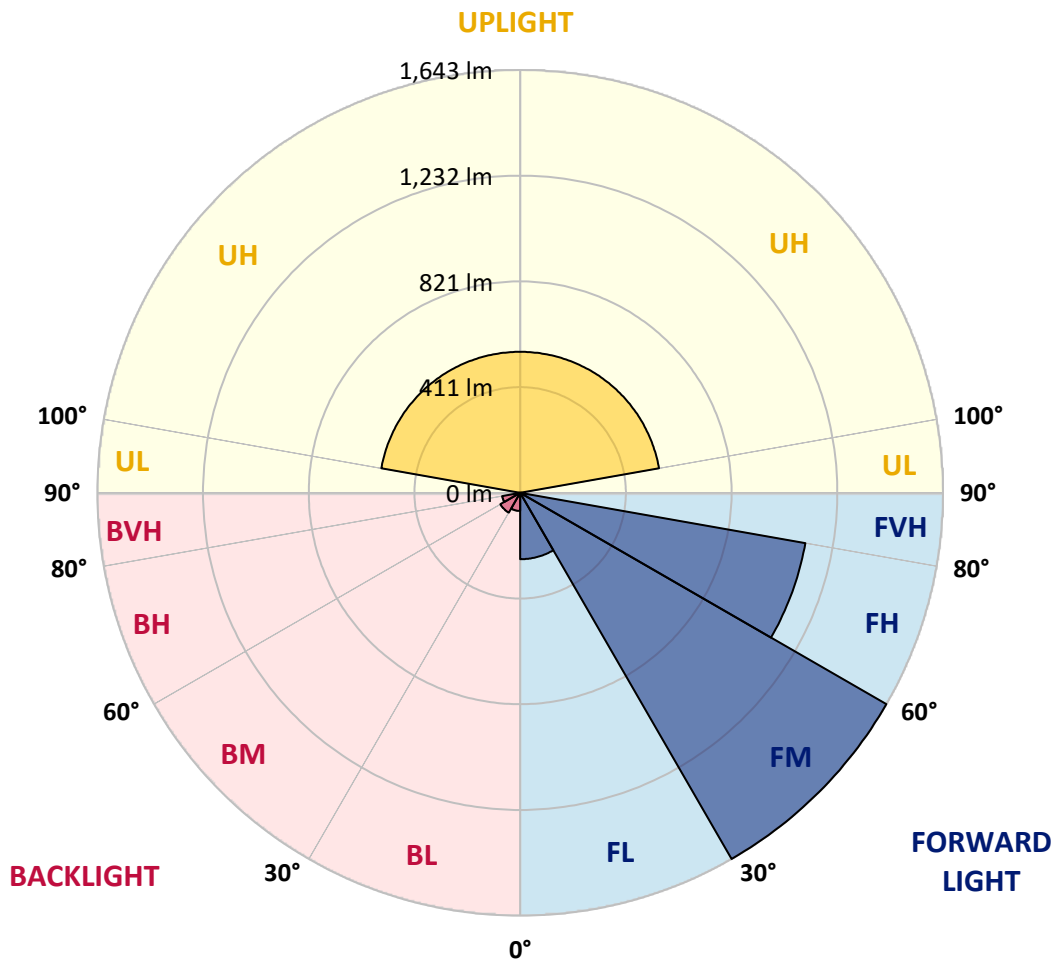
CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 257.8 | 5.9 | | | |
| FM (30°-60°) | 1642.6 | 37.6 | | | |
| FH (60°-80°) | 1125.0 | 25.7 | | | G1/1800 |
| FVH (80°-90°) | 18.9 | 0.4 | | | G1/100 |
| BL (0°-30°) | 70.6 | 1.6 | B0/110 | | |
| BM (30°-60°) | 88.7 | 2.0 | B0/220 | | |
| BH (60°-80°) | 71.1 | 1.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 5.3 | 0.1 | | U1/10 | |
| UH (100°-180°) | 547.7 | 12.5 | | U4/1000 | |

BUG Rating: B0-U5-G1

Type II Medium





REPORT NUMBER: P401145

CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 |
| 5° | 490.9 | 490.9 | 490.9 | 490.9 | 488.5 | 486.0 | 483.8 | 481.7 | 475.8 | 470.0 | 462.9 |
| 10° | 522.4 | 524.8 | 527.3 | 529.8 | 533.5 | 537.2 | 540.0 | 542.7 | 544.9 | 547.0 | 542.4 |
| 15° | 495.9 | 497.7 | 503.6 | 509.4 | 520.2 | 531.0 | 544.9 | 558.8 | 574.8 | 590.8 | 600.1 |
| 20° | 465.0 | 465.6 | 468.4 | 471.2 | 483.2 | 495.2 | 519.3 | 543.3 | 576.3 | 609.3 | 641.7 |
| 25° | 632.2 | 634.0 | 627.2 | 620.4 | 602.2 | 584.1 | 570.8 | 557.5 | 581.0 | 604.4 | 664.8 |
| 30° | 814.7 | 812.2 | 807.9 | 803.6 | 786.7 | 769.7 | 745.6 | 721.6 | 702.8 | 684.0 | 718.8 |
| 35° | 1037.4 | 1037.4 | 1025.9 | 1014.5 | 994.2 | 973.8 | 943.6 | 913.4 | 881.0 | 848.6 | 840.9 |
| 40° | 1213.7 | 1227.3 | 1227.6 | 1227.9 | 1198.9 | 1170.0 | 1143.7 | 1117.5 | 1095.3 | 1073.1 | 1050.0 |
| 45° | 1377.8 | 1382.7 | 1379.6 | 1376.6 | 1364.2 | 1351.9 | 1329.4 | 1306.9 | 1314.6 | 1322.3 | 1309.0 |
| 50° | 1639.3 | 1648.5 | 1653.5 | 1658.4 | 1651.3 | 1644.2 | 1616.8 | 1589.3 | 1575.5 | 1561.6 | 1549.9 |
| 55° | 1564.7 | 1570.2 | 1615.5 | 1660.9 | 1710.2 | 1759.6 | 1843.1 | 1926.7 | 1939.0 | 1951.4 | 1890.3 |
| 60° | 866.5 | 892.4 | 969.5 | 1046.6 | 1161.0 | 1275.4 | 1472.2 | 1668.9 | 1858.5 | 2048.2 | 2196.8 |
| 65° | 256.6 | 262.7 | 296.7 | 330.6 | 404.9 | 479.2 | 614.0 | 748.7 | 1013.0 | 1277.3 | 1802.1 |
| 70° | 117.2 | 123.3 | 140.9 | 158.5 | 186.9 | 215.2 | 251.0 | 286.8 | 343.8 | 400.9 | 809.2 |
| 75° | 43.8 | 46.3 | 54.0 | 61.7 | 82.6 | 103.6 | 126.7 | 149.9 | 142.2 | 134.4 | 220.8 |
| 80° | 9.9 | 11.7 | 16.3 | 21.0 | 24.1 | 27.1 | 40.4 | 53.7 | 52.4 | 51.2 | 52.1 |
| 85° | 0.0 | 0.0 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.9 | 1.2 | 2.8 |
| 90° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 3.1 | 3.1 | 3.5 | 3.8 | 4.1 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 100° | 5.1 | 5.1 | 5.4 | 5.7 | 6.0 | 6.3 | 7.0 | 7.6 | 10.4 | 13.3 | 15.8 |
| 105° | 13.3 | 13.9 | 15.5 | 17.0 | 19.9 | 22.7 | 26.5 | 30.3 | 35.0 | 39.7 | 42.6 |
| 110° | 41.6 | 42.9 | 44.8 | 46.7 | 50.8 | 54.9 | 59.6 | 64.3 | 68.1 | 71.9 | 73.8 |
| 115° | 88.3 | 87.7 | 90.2 | 92.8 | 96.5 | 100.3 | 103.2 | 106.0 | 107.9 | 109.8 | 111.4 |
| 120° | 142.0 | 140.7 | 141.7 | 142.6 | 144.8 | 147.0 | 148.3 | 149.5 | 151.4 | 153.3 | 154.2 |
| 125° | 188.0 | 185.5 | 186.1 | 186.7 | 187.7 | 188.7 | 190.6 | 192.4 | 194.0 | 195.6 | 196.6 |
| 130° | 229.0 | 227.8 | 228.1 | 228.4 | 229.7 | 230.9 | 232.2 | 233.4 | 234.1 | 234.7 | 236.3 |
| 135° | 270.6 | 268.8 | 268.8 | 268.8 | 270.7 | 272.5 | 273.5 | 274.4 | 275.1 | 275.7 | 277.6 |
| 140° | 307.9 | 306.0 | 306.6 | 307.3 | 307.9 | 308.5 | 309.2 | 309.8 | 311.7 | 313.6 | 314.5 |
| 145° | 347.0 | 344.4 | 343.8 | 343.2 | 344.2 | 345.1 | 346.1 | 347.0 | 347.3 | 347.6 | 349.2 |
| 150° | 375.4 | 373.5 | 373.8 | 374.1 | 374.1 | 374.1 | 374.1 | 374.1 | 374.1 | 374.1 | 375.4 |
| 155° | 396.8 | 394.3 | 394.3 | 394.3 | 395.0 | 395.6 | 396.6 | 397.5 | 396.9 | 396.2 | 395.6 |
| 160° | 418.3 | 416.4 | 416.1 | 415.7 | 414.8 | 413.9 | 413.6 | 413.2 | 413.2 | 413.2 | 414.2 |
| 165° | 429.6 | 427.8 | 427.2 | 426.5 | 426.5 | 426.5 | 425.5 | 424.6 | 424.6 | 424.6 | 424.3 |
| 170° | 440.4 | 438.5 | 437.6 | 436.6 | 436.6 | 436.6 | 436.9 | 437.2 | 436.6 | 436.0 | 434.4 |
| 175° | 441.6 | 440.4 | 440.0 | 439.7 | 439.1 | 438.5 | 437.3 | 436.0 | 435.7 | 435.3 | 435.3 |
| 180° | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 |



REPORT NUMBER: P401145

CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 |
| 5° | 455.8 | 448.7 | 441.6 | 432.3 | 423.1 | 412.2 | 402.1 | 391.6 | 381.8 | 371.9 | 362.0 |
| 10° | 537.8 | 529.2 | 520.5 | 503.9 | 487.2 | 466.6 | 442.8 | 418.8 | 391.0 | 363.6 | 336.1 |
| 15° | 609.3 | 607.8 | 606.3 | 589.0 | 571.7 | 538.8 | 501.4 | 452.1 | 398.4 | 346.6 | 294.8 |
| 20° | 674.1 | 692.3 | 710.5 | 691.1 | 671.6 | 629.3 | 569.9 | 489.7 | 394.7 | 317.6 | 240.5 |
| 25° | 725.3 | 777.7 | 830.1 | 816.6 | 803.0 | 740.3 | 656.2 | 529.8 | 378.7 | 283.4 | 188.1 |
| 30° | 753.7 | 840.6 | 927.6 | 924.8 | 922.0 | 838.4 | 726.5 | 544.0 | 333.7 | 239.9 | 146.2 |
| 35° | 833.2 | 931.6 | 1030.0 | 1055.9 | 1081.8 | 967.8 | 811.0 | 548.9 | 278.8 | 198.3 | 117.8 |
| 40° | 1026.9 | 1108.0 | 1189.1 | 1260.0 | 1330.9 | 1178.5 | 964.0 | 592.7 | 243.6 | 165.0 | 86.3 |
| 45° | 1295.8 | 1367.6 | 1439.5 | 1569.3 | 1699.1 | 1511.0 | 1205.7 | 703.1 | 240.5 | 153.3 | 66.0 |
| 50° | 1538.1 | 1632.2 | 1726.3 | 1917.1 | 2108.0 | 1882.1 | 1487.0 | 857.3 | 273.8 | 165.9 | 58.0 |
| 55° | 1829.2 | 1926.1 | 2022.9 | 2225.8 | 2428.7 | 2192.9 | 1700.3 | 994.2 | 316.4 | 183.8 | 51.2 |
| 60° | 2345.5 | 2398.5 | 2451.5 | 2554.2 | 2656.9 | 2484.6 | 2004.4 | 1244.6 | 418.8 | 230.4 | 41.9 |
| 65° | 2327.0 | 2809.6 | 3292.2 | 3270.3 | 3248.4 | 3215.0 | 2790.7 | 1837.9 | 593.3 | 312.1 | 30.8 |
| 70° | 1217.4 | 2093.2 | 2969.0 | 3157.7 | 3346.4 | 3095.4 | 2581.7 | 1511.6 | 330.6 | 175.2 | 19.7 |
| 75° | 307.1 | 920.2 | 1533.2 | 1784.8 | 2036.5 | 1830.1 | 1412.9 | 868.4 | 161.0 | 87.3 | 13.6 |
| 80° | 53.0 | 177.6 | 302.2 | 373.7 | 445.3 | 353.9 | 235.0 | 125.8 | 24.1 | 15.7 | 7.4 |
| 85° | 4.3 | 6.8 | 9.3 | 10.2 | 11.1 | 12.1 | 9.9 | 3.7 | 1.9 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 4.4 | 4.7 | 5.1 | 4.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 100° | 18.3 | 17.3 | 16.4 | 15.5 | 14.5 | 13.3 | 12.0 | 12.0 | 12.0 | 13.3 | 14.5 |
| 105° | 45.5 | 44.8 | 44.2 | 42.6 | 41.0 | 39.7 | 38.5 | 38.5 | 38.5 | 39.8 | 41.0 |
| 110° | 75.7 | 76.0 | 76.4 | 75.7 | 75.1 | 74.1 | 73.2 | 73.8 | 73.2 | 74.1 | 75.1 |
| 115° | 112.9 | 113.9 | 114.8 | 113.9 | 112.9 | 112.3 | 111.7 | 112.3 | 111.7 | 112.3 | 112.9 |
| 120° | 155.2 | 156.5 | 157.7 | 156.2 | 154.6 | 153.9 | 153.3 | 153.3 | 153.3 | 153.9 | 154.6 |
| 125° | 197.5 | 198.1 | 198.7 | 197.2 | 195.6 | 195.6 | 195.6 | 195.6 | 195.6 | 195.6 | 195.6 |
| 130° | 237.9 | 239.1 | 240.3 | 240.3 | 240.3 | 239.7 | 239.1 | 239.7 | 239.1 | 239.7 | 240.3 |
| 135° | 279.5 | 281.0 | 282.7 | 282.3 | 282.0 | 283.0 | 283.9 | 284.6 | 283.9 | 283.0 | 282.0 |
| 140° | 315.5 | 316.1 | 316.7 | 317.3 | 318.0 | 319.5 | 321.1 | 322.4 | 321.1 | 319.6 | 318.0 |
| 145° | 350.8 | 352.7 | 354.6 | 354.3 | 353.9 | 353.0 | 352.0 | 353.3 | 352.0 | 353.0 | 353.9 |
| 150° | 376.6 | 377.6 | 378.6 | 379.5 | 380.4 | 381.4 | 382.3 | 384.8 | 382.3 | 381.4 | 380.4 |
| 155° | 395.0 | 396.5 | 398.1 | 399.6 | 401.3 | 401.9 | 402.5 | 404.4 | 402.5 | 401.9 | 401.3 |
| 160° | 415.1 | 417.0 | 418.9 | 418.0 | 417.0 | 416.7 | 416.4 | 420.2 | 416.4 | 416.7 | 417.0 |
| 165° | 423.9 | 425.5 | 427.1 | 428.1 | 429.0 | 428.4 | 427.8 | 430.3 | 427.8 | 428.4 | 429.0 |
| 170° | 432.8 | 433.8 | 434.7 | 436.3 | 437.8 | 438.5 | 439.1 | 442.3 | 439.1 | 438.5 | 437.8 |
| 175° | 435.3 | 436.9 | 438.5 | 438.8 | 439.1 | 438.5 | 437.8 | 441.0 | 437.8 | 438.5 | 439.1 |
| 180° | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 |



REPORT NUMBER: P401145

CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 |
| 5° | 352.2 | 342.3 | 332.4 | 322.6 | 313.6 | 304.7 | 298.2 | 291.7 | 286.5 | 281.2 | 276.6 |
| 10° | 310.8 | 285.6 | 266.1 | 246.7 | 231.6 | 216.5 | 206.6 | 196.7 | 189.6 | 182.6 | 179.2 |
| 15° | 258.1 | 221.4 | 200.7 | 180.1 | 167.8 | 155.4 | 143.7 | 132.0 | 121.5 | 111.0 | 107.3 |
| 20° | 204.4 | 168.4 | 149.6 | 130.7 | 111.3 | 91.9 | 90.0 | 88.2 | 87.6 | 87.0 | 86.0 |
| 25° | 157.9 | 127.7 | 105.5 | 83.3 | 79.3 | 75.2 | 71.9 | 68.5 | 65.7 | 62.9 | 61.4 |
| 30° | 115.3 | 84.5 | 77.1 | 69.7 | 64.1 | 58.6 | 54.3 | 50.0 | 46.9 | 43.8 | 42.6 |
| 35° | 94.7 | 71.5 | 64.1 | 56.7 | 50.9 | 45.0 | 41.3 | 37.6 | 35.5 | 33.3 | 32.4 |
| 40° | 72.8 | 59.2 | 51.8 | 44.4 | 40.1 | 35.8 | 33.3 | 30.8 | 29.3 | 27.8 | 26.5 |
| 45° | 56.7 | 47.5 | 41.3 | 35.2 | 32.1 | 29.0 | 27.1 | 25.3 | 23.4 | 21.6 | 20.4 |
| 50° | 47.8 | 37.6 | 33.3 | 29.0 | 26.8 | 24.7 | 22.5 | 20.4 | 18.5 | 16.7 | 15.7 |
| 55° | 41.3 | 31.5 | 28.4 | 25.3 | 22.8 | 20.4 | 18.2 | 16.0 | 15.1 | 14.2 | 13.3 |
| 60° | 33.9 | 25.9 | 23.1 | 20.4 | 18.5 | 16.7 | 15.4 | 14.2 | 13.0 | 11.7 | 11.1 |
| 65° | 25.9 | 21.0 | 18.5 | 16.0 | 14.5 | 13.0 | 12.0 | 11.1 | 10.2 | 9.3 | 8.0 |
| 70° | 16.7 | 13.6 | 12.3 | 11.1 | 10.5 | 9.9 | 8.6 | 7.4 | 6.2 | 4.9 | 3.7 |
| 75° | 11.7 | 9.9 | 8.6 | 7.4 | 6.5 | 5.6 | 5.2 | 4.9 | 4.0 | 3.1 | 2.5 |
| 80° | 6.8 | 6.2 | 6.2 | 6.2 | 5.9 | 5.6 | 5.2 | 4.9 | 4.6 | 4.3 | 4.0 |
| 85° | 1.9 | 1.9 | 2.2 | 2.5 | 2.5 | 2.5 | 2.2 | 1.9 | 1.5 | 1.2 | 1.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 4.7 | 5.1 | 4.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.1 |
| 100° | 15.5 | 16.4 | 17.4 | 18.3 | 15.8 | 13.3 | 10.4 | 7.6 | 7.0 | 6.3 | 6.0 |
| 105° | 42.6 | 44.2 | 44.8 | 45.5 | 42.6 | 39.7 | 35.0 | 30.3 | 26.5 | 22.7 | 19.9 |
| 110° | 75.7 | 76.4 | 76.0 | 75.7 | 73.8 | 71.9 | 68.1 | 64.3 | 59.6 | 54.9 | 50.8 |
| 115° | 113.9 | 114.8 | 113.9 | 112.9 | 111.4 | 109.8 | 107.9 | 106.0 | 103.2 | 100.3 | 96.5 |
| 120° | 156.2 | 157.7 | 156.5 | 155.2 | 154.2 | 153.3 | 151.4 | 149.5 | 148.3 | 147.0 | 144.8 |
| 125° | 197.2 | 198.7 | 198.1 | 197.5 | 196.6 | 195.6 | 194.0 | 192.4 | 190.6 | 188.7 | 187.7 |
| 130° | 240.3 | 240.3 | 239.1 | 237.9 | 236.3 | 234.7 | 234.1 | 233.4 | 232.2 | 230.9 | 229.7 |
| 135° | 282.3 | 282.7 | 281.1 | 279.5 | 277.6 | 275.7 | 275.1 | 274.4 | 273.5 | 272.5 | 270.7 |
| 140° | 317.4 | 316.7 | 316.1 | 315.5 | 314.5 | 313.6 | 311.7 | 309.8 | 309.2 | 308.5 | 307.9 |
| 145° | 354.3 | 354.6 | 352.7 | 350.8 | 349.2 | 347.6 | 347.3 | 347.0 | 346.1 | 345.1 | 344.2 |
| 150° | 379.5 | 378.6 | 377.6 | 376.6 | 375.4 | 374.1 | 374.1 | 374.1 | 374.1 | 374.1 | 374.1 |
| 155° | 399.7 | 398.1 | 396.6 | 395.0 | 395.6 | 396.2 | 396.9 | 397.5 | 396.6 | 395.6 | 395.0 |
| 160° | 418.0 | 418.9 | 417.0 | 415.1 | 414.2 | 413.2 | 413.2 | 413.2 | 413.6 | 413.9 | 414.8 |
| 165° | 428.1 | 427.1 | 425.5 | 423.9 | 424.3 | 424.6 | 424.6 | 424.6 | 425.5 | 426.5 | 426.5 |
| 170° | 436.3 | 434.7 | 433.8 | 432.8 | 434.4 | 436.0 | 436.6 | 437.2 | 436.9 | 436.6 | 436.6 |
| 175° | 438.8 | 438.5 | 436.9 | 435.3 | 435.3 | 435.3 | 435.7 | 436.0 | 437.3 | 438.5 | 439.1 |
| 180° | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 | 441.6 |



REPORT NUMBER: P401145

CATALOG NUMBER: ENV-SA1B-740-U-T2-HSS-ULG

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|------|-------|-------|-------|-------|
| 0° | 381.1 | 381.1 | 381.1 | 381.1 |
| 5° | 272.0 | 270.4 | 268.9 | 271.4 |
| 10° | 175.8 | 173.6 | 171.5 | 172.1 |
| 15° | 103.6 | 103.0 | 102.4 | 101.8 |
| 20° | 85.1 | 84.8 | 84.5 | 83.9 |
| 25° | 59.8 | 58.6 | 57.4 | 58.0 |
| 30° | 41.3 | 40.7 | 40.1 | 39.5 |
| 35° | 31.5 | 30.8 | 30.2 | 30.2 |
| 40° | 25.3 | 24.7 | 24.1 | 24.1 |
| 45° | 19.1 | 18.8 | 18.5 | 18.5 |
| 50° | 14.8 | 14.5 | 14.2 | 14.2 |
| 55° | 12.3 | 12.0 | 11.7 | 11.7 |
| 60° | 10.5 | 10.2 | 9.9 | 9.9 |
| 65° | 6.8 | 6.2 | 5.6 | 5.6 |
| 70° | 2.5 | 1.9 | 1.2 | 1.2 |
| 75° | 1.9 | 1.5 | 1.2 | 0.6 |
| 80° | 3.7 | 3.4 | 3.1 | 1.9 |
| 85° | 1.2 | 0.6 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 3.8 | 3.5 | 3.1 | 3.1 |
| 100° | 5.7 | 5.4 | 5.1 | 5.1 |
| 105° | 17.0 | 15.5 | 13.9 | 13.3 |
| 110° | 46.7 | 44.8 | 42.9 | 41.6 |
| 115° | 92.8 | 90.2 | 87.7 | 88.3 |
| 120° | 142.6 | 141.7 | 140.7 | 142.0 |
| 125° | 186.7 | 186.1 | 185.5 | 188.0 |
| 130° | 228.4 | 228.1 | 227.8 | 229.0 |
| 135° | 268.8 | 268.8 | 268.8 | 270.6 |
| 140° | 307.3 | 306.6 | 306.0 | 307.9 |
| 145° | 343.2 | 343.8 | 344.4 | 347.0 |
| 150° | 374.1 | 373.8 | 373.5 | 375.4 |
| 155° | 394.3 | 394.3 | 394.3 | 396.8 |
| 160° | 415.7 | 416.1 | 416.4 | 418.3 |
| 165° | 426.5 | 427.2 | 427.8 | 429.6 |
| 170° | 436.6 | 437.6 | 438.5 | 440.4 |
| 175° | 439.7 | 440.0 | 440.4 | 441.6 |
| 180° | 441.6 | 441.6 | 441.6 | 441.6 |

(END OF REPORT)