

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:

Luminaire Tested: **ENT-SA1A-740-U-T3-ULG**

Issue Date: 3/30/2022

Test Information

Test Method: LM-79-08
Report Number: REPORT IS A COMBINATION OF REPORTS P400972 AND P226775
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENT-SA1A-740-U-T3-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556.9 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')
IES Classification: Type III - Short
BUG Rating: B1 - U5 - G1

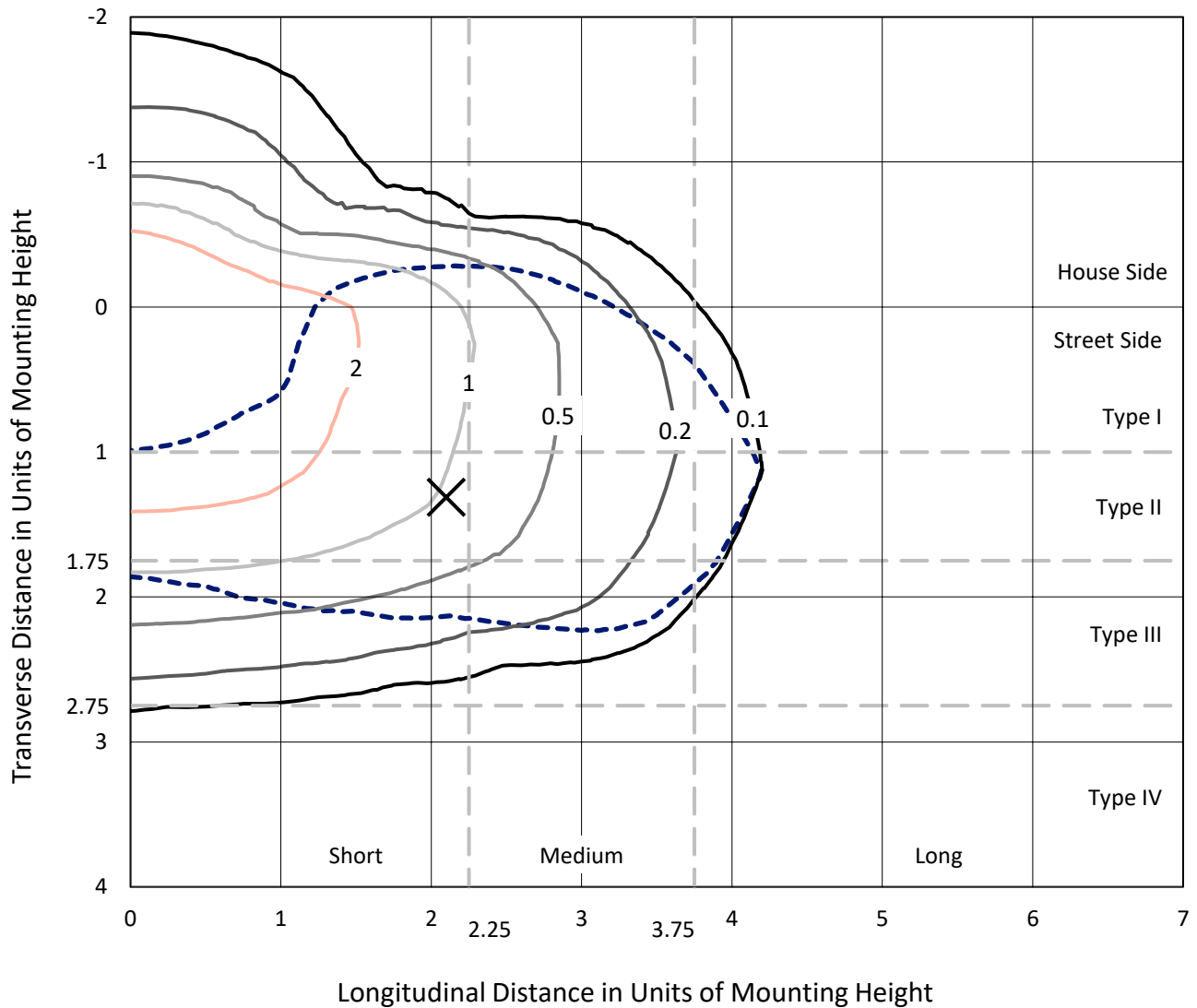
Input Watts (W): 36.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER:
 CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

Iso-Footcandle Lines of Horizontal Illumination

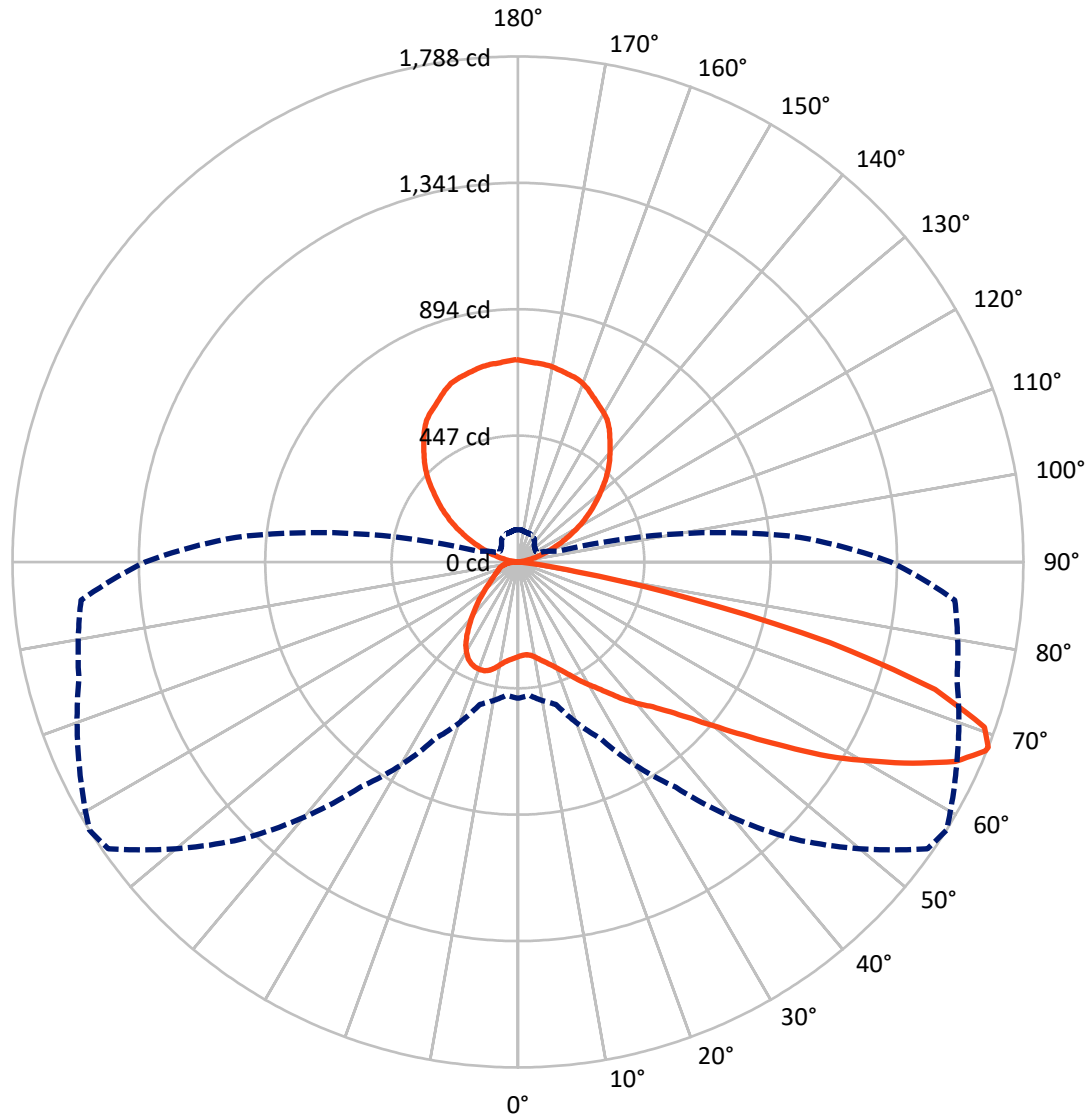
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

REPORT NUMBER:
CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER:

CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

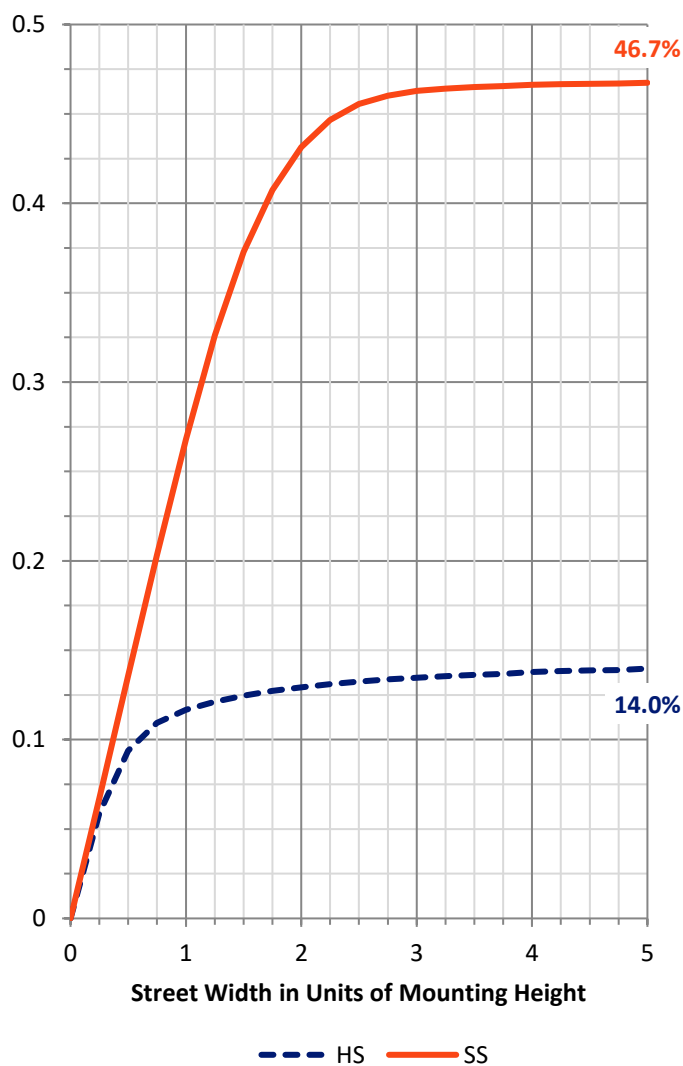
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 651.6 | 887.0 | 1538.6 |
| | % Fixture | 14.3 | 19.5 | 33.8 |
| Street Side | Lumens | 2131.4 | 887.0 | 3018.3 |
| | % Fixture | 46.8 | 19.5 | 66.2 |
| Total | Lumens | 2783.0 | 1773.9 | 4556.9 |
| | % Fixture | 61.1 | 38.9 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.9 | 0.7 |
| 10°-20° | 107.7 | 2.4 |
| 20°-30° | 193.6 | 4.2 |
| 30°-40° | 284.4 | 6.2 |
| 40°-50° | 417.1 | 9.2 |
| 50°-60° | 623.6 | 13.7 |
| 60°-70° | 729.1 | 16.0 |
| 70°-80° | 359.5 | 7.9 |
| 80°-90° | 35.1 | 0.8 |
| 90°-100° | 8.4 | 0.2 |
| 100°-110° | 58.7 | 1.3 |
| 110°-120° | 169.9 | 3.7 |
| 120°-130° | 279.4 | 6.1 |
| 130°-140° | 344.6 | 7.6 |
| 140°-150° | 352.5 | 7.7 |
| 150°-160° | 297.0 | 6.5 |
| 160°-170° | 195.5 | 4.3 |
| 170°-180° | 67.8 | 1.5 |
| 0°-90° | 2783.0 | 61.1 |
| 0°-180° | 4556.9 | 100.0 |

Coefficient of Utilization



REPORT NUMBER:

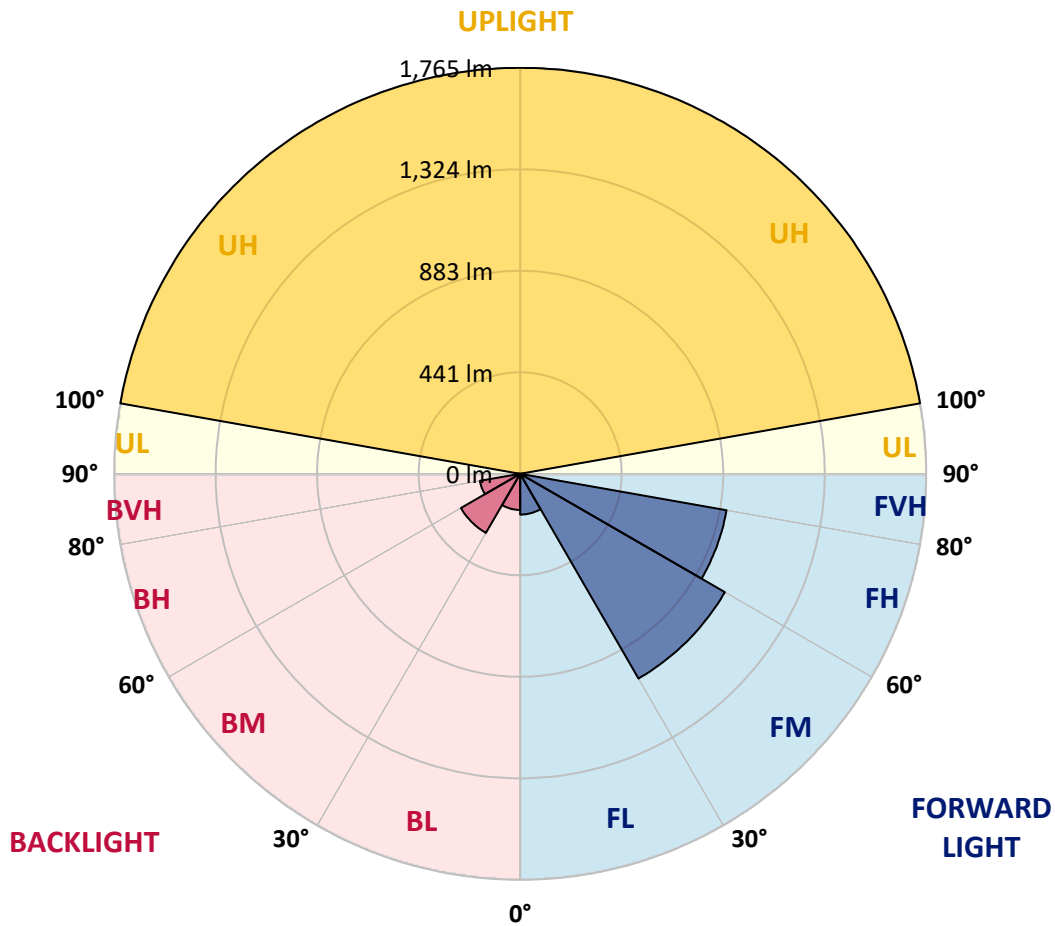
CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 177.3 | 3.9 | | | |
| FM (30°-60°) | 1027.9 | 22.6 | | | |
| FH (60°-80°) | 911.0 | 20.0 | | | G1/1800 |
| FVH (80°-90°) | 15.1 | 0.3 | | | G1/100 |
| BL (0°-30°) | 156.9 | 3.4 | B1/500 | | |
| BM (30°-60°) | 297.2 | 6.5 | B1/1000 | | |
| BH (60°-80°) | 177.5 | 3.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 20.0 | 0.4 | | | G1/100 |
| UL (90°-100°) | 8.4 | 0.2 | | U1/10 | |
| UH (100°-180°) | 1765.5 | 38.7 | | U5 | |

BUG Rating: B1-U5-G1

Type III Short





REPORT NUMBER:

CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 |
| 2.5° | 326.0 | 326.0 | 327.2 | 327.6 | 328.4 | 329.1 | 329.9 | 330.3 | 331.5 | 333.0 | 333.8 |
| 5° | 323.3 | 323.7 | 324.5 | 324.9 | 326.0 | 327.6 | 328.8 | 329.5 | 331.5 | 334.6 | 336.5 |
| 7.5° | 329.5 | 330.7 | 331.1 | 331.5 | 331.9 | 333.0 | 333.0 | 333.4 | 335.4 | 338.5 | 341.2 |
| 10° | 339.6 | 340.4 | 341.6 | 342.7 | 343.9 | 344.7 | 342.4 | 342.7 | 343.5 | 346.6 | 350.5 |
| 12.5° | 352.5 | 352.5 | 352.9 | 354.4 | 355.6 | 357.9 | 355.6 | 355.6 | 355.6 | 358.3 | 363.0 |
| 15° | 366.8 | 366.1 | 366.1 | 367.6 | 368.0 | 369.6 | 368.4 | 368.4 | 370.0 | 372.7 | 377.3 |
| 17.5° | 383.2 | 384.3 | 383.2 | 382.4 | 381.2 | 382.0 | 382.8 | 383.6 | 386.7 | 390.9 | 393.7 |
| 20° | 406.9 | 408.8 | 408.0 | 404.9 | 399.9 | 397.5 | 400.3 | 401.8 | 408.0 | 413.1 | 413.5 |
| 22.5° | 444.6 | 443.4 | 442.2 | 436.8 | 426.7 | 420.5 | 420.9 | 423.2 | 432.9 | 440.7 | 436.8 |
| 25° | 479.5 | 480.7 | 480.7 | 472.9 | 459.7 | 446.9 | 448.1 | 449.2 | 458.9 | 465.9 | 455.4 |
| 27.5° | 521.9 | 521.1 | 520.7 | 510.2 | 494.3 | 481.9 | 475.3 | 478.4 | 485.4 | 488.1 | 467.9 |
| 30° | 565.8 | 568.9 | 565.8 | 551.0 | 535.9 | 520.0 | 506.7 | 506.0 | 509.5 | 509.1 | 482.6 |
| 32.5° | 618.7 | 615.9 | 614.8 | 597.7 | 578.6 | 557.6 | 540.9 | 538.2 | 536.3 | 533.6 | 500.1 |
| 35° | 659.5 | 663.0 | 663.0 | 648.2 | 625.7 | 605.1 | 579.0 | 576.7 | 572.0 | 563.1 | 523.1 |
| 37.5° | 707.7 | 706.9 | 709.6 | 692.5 | 670.0 | 650.1 | 626.0 | 619.4 | 608.9 | 595.7 | 550.3 |
| 40° | 754.7 | 756.6 | 762.8 | 742.2 | 721.6 | 706.1 | 671.9 | 659.9 | 643.9 | 631.9 | 589.9 |
| 42.5° | 818.8 | 821.5 | 823.8 | 806.7 | 782.3 | 768.3 | 715.4 | 700.3 | 691.3 | 689.0 | 642.4 |
| 45° | 896.5 | 901.2 | 903.1 | 887.6 | 873.6 | 840.2 | 770.2 | 756.2 | 746.5 | 756.6 | 713.9 |
| 47.5° | 971.1 | 968.8 | 977.7 | 977.3 | 978.9 | 938.9 | 849.1 | 828.1 | 818.8 | 844.4 | 795.9 |
| 50° | 1013.1 | 1016.6 | 1036.0 | 1055.8 | 1083.4 | 1054.7 | 940.4 | 919.4 | 908.6 | 940.4 | 892.2 |
| 52.5° | 1034.9 | 1039.5 | 1065.6 | 1121.1 | 1179.8 | 1166.2 | 1050.4 | 1027.1 | 1017.8 | 1048.8 | 995.6 |
| 55° | 1036.8 | 1039.5 | 1074.5 | 1160.8 | 1253.3 | 1257.5 | 1175.9 | 1153.8 | 1140.9 | 1161.2 | 1108.3 |
| 57.5° | 1004.5 | 996.4 | 1056.6 | 1166.6 | 1300.3 | 1352.7 | 1313.9 | 1297.9 | 1261.8 | 1283.6 | 1248.2 |
| 60° | 947.0 | 955.2 | 1014.3 | 1142.5 | 1320.1 | 1427.0 | 1452.2 | 1428.1 | 1386.2 | 1395.1 | 1399.0 |
| 62.5° | 860.0 | 870.5 | 931.9 | 1086.5 | 1304.2 | 1489.9 | 1580.1 | 1568.0 | 1511.7 | 1507.0 | 1514.0 |
| 65° | 736.0 | 729.8 | 798.2 | 964.1 | 1228.8 | 1510.9 | 1705.6 | 1700.5 | 1633.3 | 1578.5 | 1581.2 |
| 67.5° | 530.8 | 525.0 | 572.8 | 744.2 | 1024.8 | 1432.8 | 1772.4 | 1783.7 | 1706.8 | 1610.0 | 1568.0 |
| 68° | 481.9 | 473.7 | 521.5 | 687.8 | 972.3 | 1387.7 | 1768.9 | 1788.4 | 1712.2 | 1608.0 | 1551.7 |
| 70° | 277.5 | 264.3 | 310.5 | 448.8 | 715.8 | 1168.1 | 1697.4 | 1751.1 | 1699.4 | 1570.4 | 1444.8 |
| 72.5° | 87.0 | 87.0 | 120.1 | 181.5 | 351.3 | 739.1 | 1452.2 | 1543.5 | 1554.4 | 1427.3 | 1200.8 |
| 75° | 54.4 | 54.4 | 62.6 | 85.9 | 139.9 | 313.6 | 1001.8 | 1140.9 | 1235.0 | 1201.6 | 875.5 |
| 77.5° | 36.9 | 36.1 | 41.6 | 53.2 | 78.1 | 100.6 | 502.9 | 617.9 | 755.4 | 820.3 | 512.2 |
| 80° | 20.2 | 20.6 | 25.6 | 31.9 | 44.3 | 46.6 | 147.7 | 208.7 | 332.6 | 389.8 | 194.3 |
| 82.5° | 11.7 | 11.3 | 12.4 | 14.0 | 19.4 | 20.2 | 42.4 | 52.1 | 87.0 | 80.8 | 52.1 |
| 85° | 0.0 | 0.4 | 0.4 | 0.4 | 0.8 | 1.9 | 5.4 | 8.2 | 13.2 | 18.3 | 12.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 | 0.8 | 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 |
| 92.5° | 4.1 | 4.1 | 5.1 | 6.1 | 6.1 | 6.1 | 7.2 | 7.2 | 7.2 | 6.1 | 6.1 |
| 95° | 5.1 | 5.1 | 6.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.5 | 8.2 | 7.2 | 7.2 |
| 97.5° | 7.2 | 7.2 | 8.2 | 8.2 | 9.2 | 9.2 | 12.3 | 11.7 | 10.2 | 9.2 | 8.2 |
| 100° | 8.2 | 8.2 | 9.2 | 10.2 | 12.3 | 21.5 | 29.7 | 28.7 | 26.6 | 23.5 | 19.4 |
| 102.5° | 11.3 | 11.3 | 13.3 | 18.4 | 27.6 | 40.9 | 51.1 | 50.2 | 48.1 | 43.0 | 39.9 |
| 105° | 21.5 | 22.5 | 27.6 | 36.8 | 49.1 | 64.4 | 73.7 | 73.0 | 71.6 | 66.5 | 62.4 |
| 107.5° | 41.9 | 43.0 | 50.1 | 59.3 | 74.7 | 90.0 | 97.2 | 96.9 | 96.2 | 92.1 | 89.0 |



REPORT NUMBER:
 CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 67.5 | 69.6 | 75.7 | 89.0 | 104.3 | 116.6 | 122.8 | 123.1 | 123.8 | 121.7 | 118.7 |
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 152.0 | 153.4 | 152.4 | 150.4 |
| 115° | 143.2 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 184.0 | 186.2 | 183.1 | 181.1 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 217.1 | 219.9 | 214.8 | 212.8 |
| 120° | 230.2 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 252.9 | 255.7 | 250.6 | 248.6 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 286.6 | 289.5 | 284.4 | 282.3 |
| 125° | 304.8 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 320.8 | 322.2 | 317.1 | 317.1 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.2 | 353.9 | 353.9 | 352.9 |
| 130° | 371.3 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 386.9 | 389.7 | 389.7 | 387.7 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 422.0 | 425.5 | 423.5 | 423.5 |
| 135° | 438.8 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 454.7 | 458.3 | 457.3 | 460.3 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 484.5 | 485.9 | 486.9 | 492.0 |
| 140° | 499.2 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 512.1 | 513.5 | 515.6 | 520.7 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 541.0 | 545.2 | 545.2 | 546.3 |
| 145° | 562.6 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 570.6 | 574.9 | 573.9 | 570.8 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 594.9 | 598.4 | 599.4 | 596.4 |
| 150° | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 611.6 | 613.8 | 616.8 | 619.9 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 626.0 | 628.1 | 632.2 | 637.3 |
| 155° | 643.4 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 641.9 | 645.5 | 650.6 | 652.6 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 660.0 | 662.9 | 664.9 | 664.9 |
| 160° | 678.2 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 675.0 | 679.2 | 676.2 | 675.1 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 683.6 | 686.4 | 685.4 | 683.3 |
| 165° | 696.6 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 689.0 | 692.5 | 695.6 | 693.6 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 695.4 | 699.7 | 703.8 | 703.8 |
| 170° | 714.0 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 702.7 | 704.8 | 709.9 | 712.0 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 705.7 | 707.9 | 709.9 | 712.0 |
| 175° | 716.1 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 707.4 | 711.0 | 712.0 | 709.9 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 711.5 | 715.0 | 717.1 | 714.0 |
| 180° | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



REPORT NUMBER:

CATALOG NUMBER: ENT-SA1A-740-U-T3-ULG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 | 334.2 |
| 2.5° | 334.6 | 335.8 | 337.7 | 339.3 | 340.0 | 339.3 | 342.0 | 341.6 | 342.4 | 342.4 | 343.1 |
| 5° | 338.1 | 339.6 | 343.1 | 345.1 | 347.0 | 347.8 | 350.9 | 351.7 | 353.2 | 354.0 | 353.6 |
| 7.5° | 343.1 | 345.1 | 349.4 | 352.9 | 355.6 | 357.5 | 362.6 | 364.9 | 367.2 | 368.0 | 368.8 |
| 10° | 352.5 | 355.2 | 359.8 | 364.1 | 368.0 | 370.7 | 375.0 | 378.1 | 380.4 | 381.2 | 382.0 |
| 12.5° | 364.9 | 368.0 | 373.8 | 379.7 | 383.9 | 385.5 | 385.1 | 384.3 | 384.3 | 383.9 | 384.3 |
| 15° | 379.3 | 382.4 | 389.8 | 395.2 | 395.6 | 390.5 | 383.6 | 380.1 | 379.3 | 379.3 | 379.7 |
| 17.5° | 396.0 | 399.9 | 404.5 | 407.6 | 400.3 | 387.8 | 379.7 | 376.2 | 375.4 | 375.0 | 374.2 |
| 20° | 415.0 | 417.4 | 418.9 | 415.0 | 398.7 | 384.3 | 375.0 | 370.0 | 366.1 | 365.7 | 364.1 |
| 22.5° | 435.2 | 434.5 | 432.5 | 418.5 | 394.4 | 376.2 | 363.3 | 354.0 | 349.0 | 348.6 | 347.0 |
| 25° | 450.0 | 446.9 | 441.1 | 419.3 | 386.7 | 363.0 | 344.7 | 329.9 | 323.3 | 320.2 | 321.0 |
| 27.5° | 459.7 | 453.1 | 443.0 | 415.4 | 373.1 | 342.7 | 317.1 | 297.7 | 288.0 | 286.4 | 287.6 |
| 30° | 471.4 | 460.9 | 444.6 | 405.7 | 353.6 | 314.4 | 281.0 | 261.5 | 256.1 | 253.4 | 254.1 |
| 32.5° | 485.4 | 471.8 | 449.6 | 390.9 | 329.1 | 281.4 | 245.2 | 231.6 | 225.4 | 220.3 | 221.9 |
| 35° | 503.6 | 486.5 | 457.8 | 370.0 | 298.1 | 246.4 | 219.6 | 207.1 | 195.9 | 190.4 | 190.8 |
| 37.5° | 525.0 | 505.6 | 464.8 | 345.5 | 264.3 | 220.0 | 197.4 | 182.6 | 168.7 | 158.2 | 156.2 |
| 40° | 559.2 | 543.3 | 470.6 | 318.3 | 232.0 | 198.2 | 175.6 | 158.9 | 145.7 | 135.2 | 134.1 |
| 42.5° | 616.3 | 588.7 | 471.0 | 285.6 | 204.4 | 179.5 | 157.8 | 139.5 | 124.7 | 115.8 | 115.4 |
| 45° | 683.6 | 640.8 | 462.8 | 250.7 | 180.3 | 160.9 | 141.8 | 121.2 | 112.7 | 106.9 | 106.1 |
| 47.5° | 763.2 | 700.7 | 445.0 | 218.0 | 159.7 | 142.6 | 125.5 | 113.1 | 106.9 | 102.6 | 102.6 |
| 50° | 854.2 | 771.0 | 427.1 | 190.0 | 139.9 | 127.9 | 116.2 | 109.6 | 104.9 | 101.0 | 100.6 |
| 52.5° | 956.7 | 854.2 | 421.2 | 161.7 | 123.6 | 114.2 | 113.1 | 106.9 | 103.0 | 100.3 | 99.5 |
| 55° | 1079.2 | 947.4 | 426.7 | 139.5 | 110.8 | 108.8 | 111.1 | 106.1 | 103.4 | 99.1 | 97.9 |
| 57.5° | 1220.6 | 1038.4 | 420.9 | 120.9 | 101.8 | 103.8 | 108.8 | 106.1 | 103.8 | 98.3 | 96.8 |
| 60° | 1353.9 | 1119.6 | 381.2 | 105.3 | 93.3 | 97.5 | 105.7 | 102.6 | 99.1 | 97.9 | 97.2 |
| 62.5° | 1425.4 | 1146.0 | 303.9 | 93.3 | 86.7 | 91.3 | 100.6 | 96.8 | 94.4 | 97.2 | 97.5 |
| 65° | 1426.2 | 1116.1 | 223.4 | 84.3 | 81.2 | 85.9 | 95.6 | 94.4 | 96.0 | 102.2 | 103.4 |
| 67.5° | 1346.9 | 1025.1 | 157.8 | 76.2 | 75.8 | 81.6 | 97.9 | 105.7 | 106.9 | 113.1 | 113.1 |
| 68° | 1319.7 | 1002.6 | 146.5 | 75.0 | 74.6 | 81.6 | 99.9 | 107.6 | 108.4 | 114.2 | 113.9 |
| 70° | 1170.5 | 847.5 | 106.1 | 70.3 | 72.7 | 87.4 | 110.4 | 113.1 | 108.4 | 115.0 | 114.6 |
| 72.5° | 914.8 | 626.8 | 79.3 | 65.3 | 69.2 | 86.3 | 111.1 | 108.4 | 101.4 | 103.0 | 101.0 |
| 75° | 618.3 | 399.5 | 65.3 | 59.8 | 61.4 | 73.1 | 101.0 | 102.2 | 94.0 | 92.5 | 90.2 |
| 77.5° | 323.7 | 187.3 | 52.9 | 53.2 | 54.8 | 63.3 | 90.2 | 92.9 | 85.5 | 80.8 | 80.1 |
| 80° | 119.3 | 74.2 | 43.1 | 47.0 | 47.8 | 55.6 | 77.3 | 81.6 | 74.6 | 71.1 | 70.3 |
| 82.5° | 43.5 | 36.9 | 35.8 | 41.2 | 40.4 | 47.4 | 67.6 | 70.7 | 63.3 | 59.8 | 57.9 |
| 85° | 12.0 | 13.6 | 22.5 | 32.3 | 31.5 | 36.9 | 54.4 | 57.1 | 50.9 | 42.0 | 40.8 |
| 87.5° | 0.8 | 2.7 | 8.9 | 19.0 | 19.8 | 22.9 | 39.2 | 43.1 | 37.7 | 31.1 | 30.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 6.1 | 6.1 | 6.1 | 7.2 | 7.2 | 6.1 | 6.1 | 6.1 | 5.1 | 4.1 | 4.1 |
| 95° | 7.2 | 7.2 | 7.2 | 8.2 | 7.2 | 7.2 | 7.2 | 7.2 | 6.1 | 5.1 | 5.1 |
| 97.5° | 8.2 | 8.2 | 9.2 | 10.2 | 12.3 | 9.2 | 9.2 | 8.2 | 8.2 | 7.2 | 7.2 |
| 100° | 19.4 | 19.4 | 23.5 | 26.6 | 29.7 | 21.5 | 12.3 | 10.2 | 9.2 | 8.2 | 8.2 |
| 102.5° | 38.9 | 39.9 | 43.0 | 48.1 | 51.1 | 40.9 | 27.6 | 18.4 | 13.3 | 11.3 | 11.3 |
| 105° | 62.4 | 62.4 | 66.5 | 71.6 | 73.7 | 64.4 | 49.1 | 36.8 | 27.6 | 22.5 | 21.5 |
| 107.5° | 88.0 | 89.0 | 92.1 | 96.2 | 97.2 | 90.0 | 74.7 | 59.3 | 50.1 | 43.0 | 41.9 |



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| 142.5° | 548.3 | 546.3 | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 528.9 | 526.8 | 529.9 |
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| 160° | 681.3 | 675.1 | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 674.1 | 675.1 | 678.2 |
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| 172.5° | 717.1 | 712.0 | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 711.0 | 713.0 | 715.0 |
| 175° | 715.0 | 709.9 | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 713.0 | 714.0 | 716.1 |
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