

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: P155413

Luminaire Tested: **VXS-F01-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155413
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.7 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

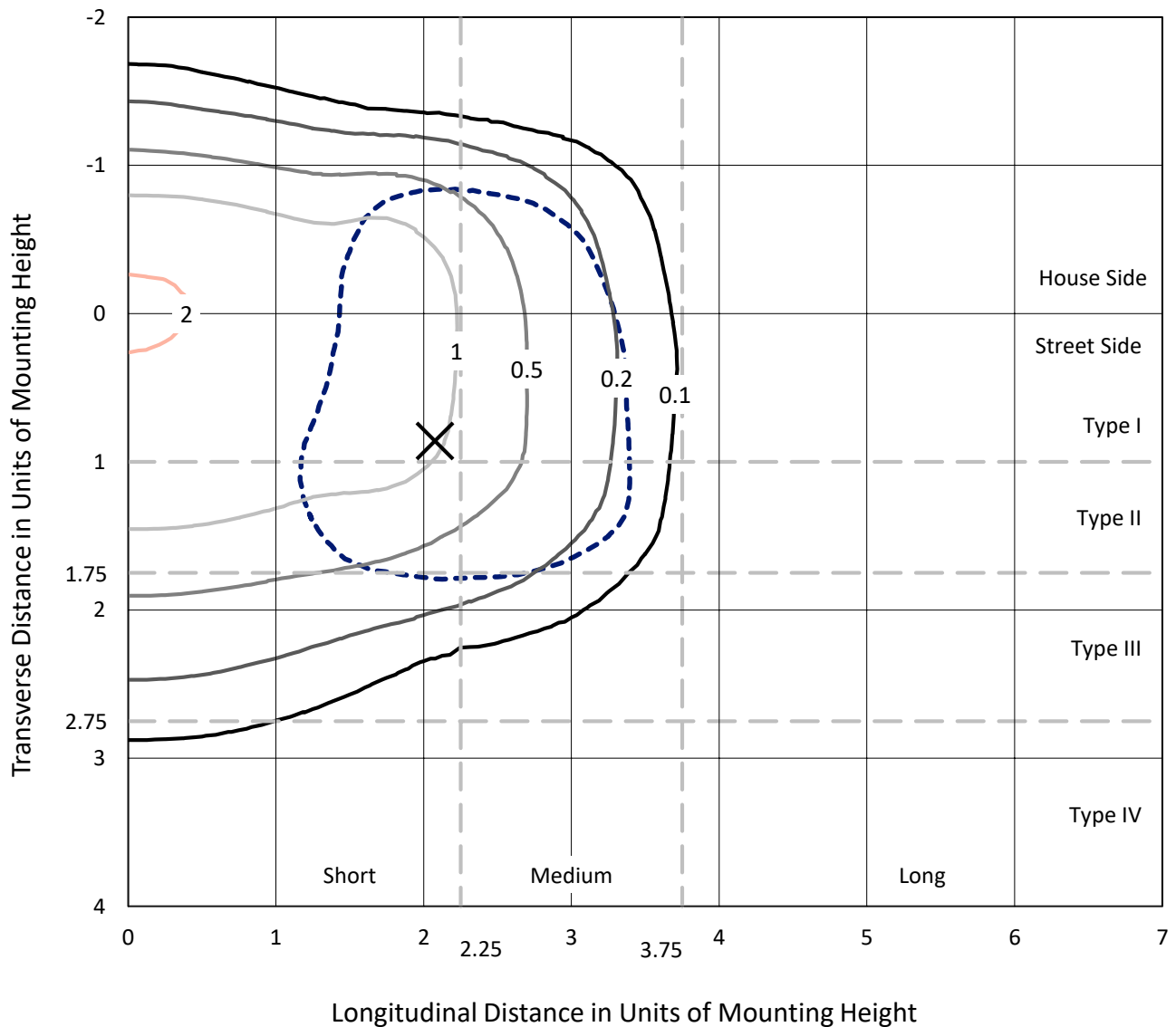


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

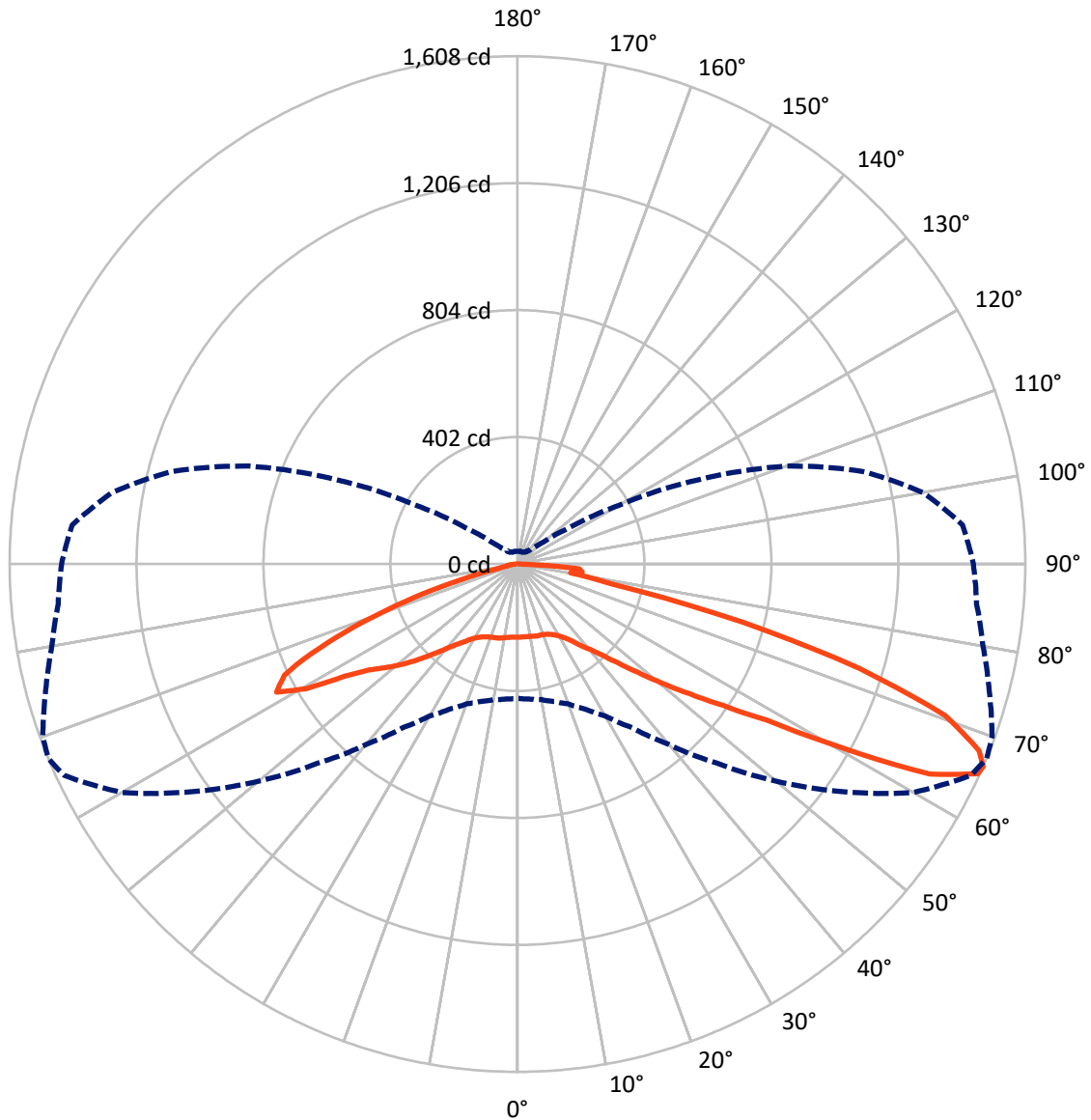


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 742.0 | 0.0 | 742.0 |
| | % Fixture | 34.5 | 0.0 | 34.5 |
| Street Side | Lumens | 1406.7 | 0.0 | 1406.7 |
| | % Fixture | 65.5 | 0.0 | 65.5 |
| Total | Lumens | 2148.7 | 0.0 | 2148.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.2 | 1.0 |
| 10°-20° | 65.4 | 3.0 |
| 20°-30° | 112.5 | 5.2 |
| 30°-40° | 182.6 | 8.5 |
| 40°-50° | 304.9 | 14.2 |
| 50°-60° | 480.2 | 22.3 |
| 60°-70° | 654.8 | 30.5 |
| 70°-80° | 283.4 | 13.2 |
| 80°-90° | 42.6 | 2.0 |
| 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° | 2148.7 | 100.0 |
| 0°-180° | 2148.7 | 100.0 |



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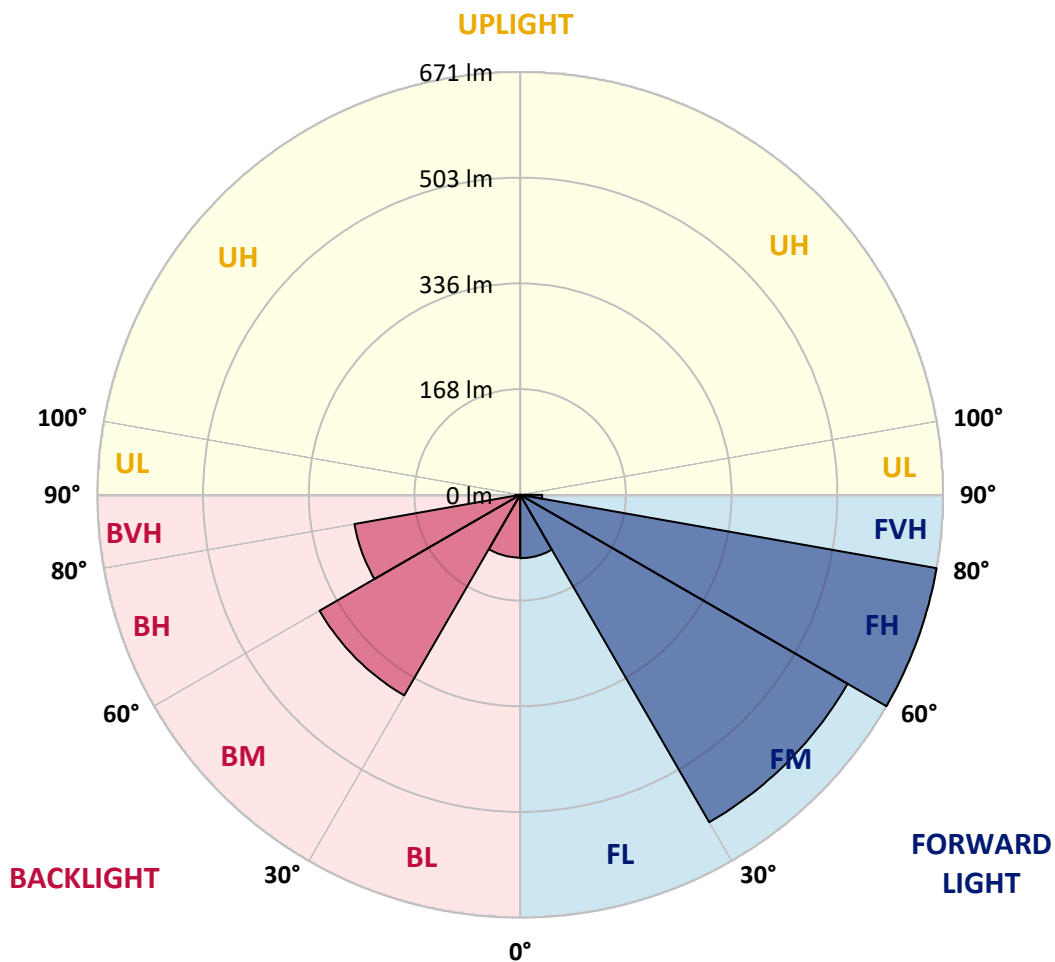
CATALOG NUMBER: VXS-F01-LED-E1-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 100.5 | 4.7 | | | |
| FM (30°-60°) | 600.1 | 27.9 | | | |
| FH (60°-80°) | 671.1 | 31.2 | | | G1/1800 |
| FVH (80°-90°) | 35.0 | 1.6 | | | G1/100 |
| BL (0°-30°) | 99.6 | 4.6 | B0/110 | | |
| BM (30°-60°) | 367.7 | 17.1 | B1/1000 | | |
| BH (60°-80°) | 267.1 | 12.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.6 | 0.4 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 |
| 2.5° | 232.4 | 233.4 | 232.4 | 232.7 | 233.0 | 232.7 | 232.4 | 232.4 | 231.8 | 232.2 | 232.7 |
| 5° | 231.5 | 232.2 | 232.0 | 232.2 | 232.4 | 232.2 | 232.0 | 232.2 | 231.8 | 232.0 | 232.7 |
| 7.5° | 230.4 | 230.2 | 230.4 | 230.9 | 231.3 | 231.3 | 231.3 | 231.5 | 231.3 | 231.3 | 232.0 |
| 10° | 226.9 | 227.2 | 227.6 | 228.3 | 228.5 | 229.2 | 229.2 | 229.9 | 230.2 | 230.6 | 231.5 |
| 12.5° | 222.5 | 222.7 | 223.2 | 223.6 | 224.8 | 226.0 | 226.0 | 227.6 | 228.3 | 229.4 | 231.1 |
| 15° | 219.3 | 219.5 | 219.9 | 220.4 | 221.3 | 222.5 | 223.2 | 225.1 | 226.2 | 228.3 | 230.6 |
| 17.5° | 221.1 | 220.8 | 221.3 | 221.6 | 221.6 | 222.5 | 222.5 | 223.8 | 225.3 | 227.2 | 230.2 |
| 20° | 226.4 | 226.4 | 226.9 | 226.9 | 226.6 | 227.2 | 226.2 | 226.2 | 226.4 | 227.4 | 229.4 |
| 22.5° | 231.8 | 231.5 | 232.4 | 233.0 | 233.2 | 233.9 | 233.0 | 232.7 | 231.5 | 230.9 | 231.5 |
| 25° | 236.9 | 236.7 | 237.8 | 238.5 | 239.7 | 240.4 | 240.4 | 240.4 | 239.5 | 238.2 | 237.6 |
| 27.5° | 244.8 | 244.8 | 245.9 | 246.6 | 247.6 | 249.0 | 249.6 | 249.6 | 249.8 | 248.3 | 247.2 |
| 30° | 258.0 | 258.2 | 258.4 | 259.4 | 260.3 | 260.8 | 261.8 | 262.5 | 263.1 | 262.2 | 260.3 |
| 32.5° | 273.8 | 272.4 | 272.4 | 273.8 | 275.0 | 276.4 | 276.8 | 277.7 | 279.2 | 278.4 | 278.2 |
| 35° | 292.6 | 292.1 | 291.7 | 292.1 | 293.6 | 295.2 | 297.0 | 298.7 | 297.7 | 299.2 | 298.4 |
| 37.5° | 320.5 | 320.9 | 321.2 | 321.2 | 320.9 | 321.5 | 322.4 | 323.9 | 323.5 | 323.9 | 324.9 |
| 40° | 366.5 | 364.9 | 363.2 | 363.4 | 361.1 | 361.6 | 357.9 | 359.5 | 359.8 | 358.1 | 358.9 |
| 42.5° | 412.4 | 413.4 | 414.1 | 416.0 | 414.3 | 413.4 | 409.9 | 409.9 | 408.1 | 406.4 | 406.0 |
| 45° | 462.2 | 464.0 | 464.2 | 468.0 | 466.6 | 469.6 | 472.1 | 471.5 | 468.4 | 468.2 | 465.0 |
| 47.5° | 501.9 | 504.9 | 508.2 | 512.5 | 516.1 | 522.8 | 530.7 | 534.6 | 537.0 | 538.9 | 535.1 |
| 50° | 531.6 | 533.0 | 541.3 | 548.3 | 556.0 | 567.2 | 578.0 | 592.2 | 603.6 | 608.9 | 614.1 |
| 52.5° | 547.7 | 551.1 | 560.2 | 571.1 | 584.6 | 601.2 | 619.0 | 641.5 | 660.9 | 674.0 | 685.6 |
| 55° | 551.1 | 554.6 | 564.9 | 578.8 | 597.1 | 619.6 | 645.0 | 675.6 | 704.9 | 729.9 | 754.3 |
| 57.5° | 541.3 | 545.3 | 556.3 | 572.2 | 593.9 | 621.2 | 653.1 | 693.3 | 733.7 | 774.3 | 810.3 |
| 60° | 523.5 | 528.4 | 538.3 | 554.1 | 578.0 | 608.9 | 647.0 | 697.4 | 754.1 | 816.4 | 885.3 |
| 62.5° | 494.0 | 499.1 | 508.4 | 525.8 | 550.5 | 584.6 | 628.7 | 691.4 | 771.5 | 869.5 | 991.9 |
| 65° | 446.6 | 448.9 | 460.3 | 477.9 | 499.8 | 537.4 | 585.9 | 661.7 | 765.9 | 902.3 | 1070.9 |
| 66° | 425.3 | 429.2 | 436.2 | 450.4 | 471.2 | 506.5 | 555.3 | 632.1 | 744.8 | 890.9 | 1068.8 |
| 67.5° | 391.8 | 394.8 | 399.5 | 409.0 | 421.8 | 447.8 | 494.0 | 566.6 | 680.2 | 833.3 | 1024.5 |
| 70° | 316.8 | 318.1 | 324.5 | 327.7 | 332.1 | 340.7 | 357.4 | 399.3 | 487.7 | 631.5 | 826.8 |
| 72.5° | 216.0 | 219.9 | 226.6 | 236.0 | 248.1 | 259.7 | 267.6 | 272.8 | 291.9 | 376.7 | 550.9 |
| 75° | 158.3 | 162.6 | 171.2 | 183.5 | 204.6 | 228.8 | 253.9 | 265.5 | 257.5 | 246.6 | 306.8 |
| 77.5° | 92.0 | 97.5 | 104.8 | 116.6 | 136.1 | 168.2 | 211.1 | 249.2 | 275.0 | 276.6 | 262.7 |
| 80° | 38.8 | 39.5 | 43.9 | 49.9 | 62.0 | 84.6 | 118.0 | 172.7 | 229.9 | 268.5 | 277.5 |
| 82.5° | 8.8 | 10.9 | 13.9 | 16.5 | 20.2 | 27.9 | 41.3 | 68.7 | 124.2 | 194.8 | 254.1 |
| 85° | 3.2 | 3.2 | 4.5 | 6.5 | 7.5 | 8.4 | 10.9 | 17.4 | 29.7 | 54.8 | 114.3 |
| 87.5° | 0.0 | 0.2 | 0.4 | 0.4 | 0.9 | 1.1 | 1.9 | 2.6 | 2.3 | 2.1 | 6.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: VXS-F01-LED-E1-T3-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 |
| 2.5° | 232.2 | 232.0 | 231.5 | 231.5 | 231.5 | 231.5 | 231.1 | 231.3 | 230.9 | 231.1 | 231.1 |
| 5° | 232.0 | 232.0 | 231.8 | 231.3 | 231.5 | 231.5 | 231.8 | 231.3 | 231.3 | 231.5 | 231.3 |
| 7.5° | 232.0 | 231.8 | 231.8 | 231.8 | 232.0 | 231.8 | 232.0 | 232.0 | 232.0 | 232.2 | 232.2 |
| 10° | 232.0 | 232.0 | 232.4 | 232.7 | 232.7 | 233.0 | 233.7 | 233.7 | 233.9 | 234.1 | 234.6 |
| 12.5° | 232.2 | 233.2 | 233.9 | 234.6 | 234.8 | 235.2 | 236.5 | 236.5 | 236.9 | 237.6 | 237.8 |
| 15° | 232.4 | 233.9 | 235.2 | 235.8 | 236.2 | 237.1 | 238.2 | 238.8 | 239.5 | 240.1 | 240.6 |
| 17.5° | 232.2 | 234.1 | 235.8 | 236.5 | 237.1 | 238.2 | 239.7 | 240.1 | 241.0 | 242.0 | 242.9 |
| 20° | 232.0 | 234.6 | 237.1 | 238.0 | 239.0 | 240.6 | 242.5 | 243.6 | 244.6 | 245.9 | 246.8 |
| 22.5° | 233.4 | 236.5 | 239.9 | 241.3 | 242.9 | 245.0 | 247.6 | 249.0 | 250.2 | 251.5 | 252.2 |
| 25° | 237.8 | 240.1 | 244.4 | 246.6 | 248.7 | 252.2 | 255.8 | 257.3 | 258.8 | 259.9 | 260.1 |
| 27.5° | 245.3 | 245.9 | 251.1 | 254.1 | 257.1 | 262.7 | 266.8 | 268.0 | 270.6 | 271.5 | 271.3 |
| 30° | 257.3 | 256.2 | 260.3 | 265.0 | 269.4 | 277.1 | 282.2 | 285.2 | 287.6 | 287.6 | 285.7 |
| 32.5° | 274.7 | 272.8 | 274.1 | 279.4 | 284.5 | 295.6 | 301.7 | 305.6 | 307.3 | 306.8 | 302.8 |
| 35° | 297.5 | 296.4 | 295.6 | 299.8 | 308.0 | 320.9 | 328.8 | 331.0 | 333.5 | 333.1 | 328.0 |
| 37.5° | 324.5 | 323.5 | 323.5 | 328.4 | 336.3 | 355.5 | 364.1 | 365.6 | 365.3 | 361.6 | 352.1 |
| 40° | 356.3 | 355.8 | 353.7 | 356.5 | 363.2 | 388.3 | 399.9 | 401.8 | 399.3 | 393.2 | 382.1 |
| 42.5° | 402.0 | 399.3 | 392.7 | 394.3 | 399.5 | 423.8 | 439.0 | 444.0 | 441.5 | 435.4 | 417.3 |
| 45° | 461.7 | 458.7 | 447.8 | 446.4 | 449.1 | 470.6 | 490.1 | 491.2 | 490.8 | 483.1 | 461.7 |
| 47.5° | 531.8 | 527.2 | 515.5 | 511.9 | 511.0 | 530.7 | 549.5 | 551.4 | 550.2 | 538.9 | 510.3 |
| 50° | 607.8 | 601.0 | 593.4 | 590.9 | 587.2 | 601.2 | 620.3 | 620.5 | 616.0 | 600.1 | 573.4 |
| 52.5° | 688.8 | 686.5 | 685.1 | 682.6 | 680.9 | 693.3 | 704.9 | 697.9 | 690.9 | 674.4 | 651.2 |
| 55° | 770.6 | 780.1 | 789.8 | 790.8 | 793.6 | 806.8 | 806.6 | 787.6 | 782.4 | 773.4 | 750.4 |
| 57.5° | 857.4 | 892.7 | 923.4 | 933.0 | 942.2 | 966.8 | 964.6 | 945.7 | 939.2 | 928.1 | 909.0 |
| 60° | 975.6 | 1070.9 | 1159.4 | 1180.5 | 1195.1 | 1224.7 | 1221.9 | 1192.8 | 1206.3 | 1205.4 | 1180.7 |
| 62.5° | 1141.2 | 1299.7 | 1432.2 | 1464.8 | 1475.0 | 1478.2 | 1460.6 | 1429.2 | 1442.5 | 1457.3 | 1381.7 |
| 65° | 1253.5 | 1439.7 | 1575.8 | 1600.8 | 1602.3 | 1563.5 | 1524.2 | 1487.3 | 1484.0 | 1471.3 | 1363.0 |
| 66° | 1256.0 | 1446.6 | 1583.2 | 1607.6 | 1599.0 | 1546.0 | 1496.4 | 1459.2 | 1443.2 | 1415.0 | 1302.9 |
| 67.5° | 1210.9 | 1403.2 | 1550.3 | 1576.1 | 1557.2 | 1482.2 | 1413.7 | 1365.8 | 1334.5 | 1288.9 | 1190.1 |
| 70° | 1017.0 | 1207.7 | 1388.8 | 1436.9 | 1442.9 | 1331.0 | 1236.0 | 1179.8 | 1137.5 | 1075.0 | 989.8 |
| 72.5° | 756.2 | 928.5 | 1088.3 | 1134.3 | 1157.7 | 1068.3 | 988.2 | 945.5 | 887.7 | 821.9 | 761.3 |
| 75° | 474.0 | 595.8 | 702.8 | 735.0 | 713.0 | 643.8 | 595.8 | 577.8 | 520.9 | 481.7 | 454.0 |
| 77.5° | 271.0 | 309.1 | 317.7 | 305.4 | 279.4 | 213.9 | 152.1 | 112.6 | 97.8 | 108.2 | 119.4 |
| 80° | 264.6 | 242.5 | 193.3 | 170.1 | 154.0 | 105.9 | 62.3 | 42.7 | 35.5 | 36.5 | 39.5 |
| 82.5° | 286.6 | 307.5 | 253.2 | 206.4 | 173.3 | 117.1 | 64.6 | 34.4 | 23.2 | 27.4 | 30.9 |
| 85° | 186.2 | 259.2 | 233.4 | 196.7 | 159.3 | 100.1 | 53.2 | 17.9 | 11.8 | 15.5 | 21.3 |
| 87.5° | 18.9 | 20.6 | 17.6 | 23.9 | 17.9 | 8.4 | 4.1 | 2.6 | 2.3 | 2.8 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: VXS-F01-LED-E1-T3-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 |
| 2.5° | 231.3 | 231.3 | 231.5 | 231.8 | 232.0 | 232.2 | 232.2 | 232.2 | 232.2 | 232.7 | 232.4 |
| 5° | 231.8 | 232.2 | 232.7 | 233.0 | 233.4 | 233.4 | 234.1 | 233.9 | 233.9 | 234.6 | 234.8 |
| 7.5° | 232.7 | 233.4 | 234.3 | 234.1 | 235.0 | 234.8 | 235.2 | 235.2 | 234.6 | 234.8 | 234.3 |
| 10° | 234.8 | 235.8 | 236.2 | 235.5 | 235.8 | 234.8 | 234.6 | 233.4 | 232.0 | 231.3 | 230.4 |
| 12.5° | 238.2 | 239.2 | 239.2 | 238.0 | 236.7 | 234.6 | 233.0 | 230.4 | 228.3 | 227.2 | 226.0 |
| 15° | 241.3 | 242.3 | 242.0 | 240.1 | 238.0 | 234.8 | 232.4 | 229.4 | 226.4 | 224.6 | 223.4 |
| 17.5° | 243.6 | 244.0 | 243.4 | 240.8 | 238.5 | 235.5 | 233.2 | 229.9 | 226.4 | 224.1 | 222.1 |
| 20° | 247.2 | 246.6 | 245.0 | 241.8 | 239.2 | 236.5 | 234.6 | 231.8 | 227.9 | 224.8 | 221.8 |
| 22.5° | 252.2 | 250.4 | 247.4 | 243.8 | 241.3 | 238.8 | 236.9 | 233.9 | 229.9 | 226.2 | 222.7 |
| 25° | 259.0 | 255.2 | 251.1 | 247.4 | 245.0 | 242.3 | 240.1 | 236.9 | 232.7 | 228.5 | 224.4 |
| 27.5° | 268.7 | 262.2 | 256.9 | 253.6 | 251.1 | 247.6 | 245.0 | 240.8 | 236.5 | 231.5 | 226.9 |
| 30° | 279.6 | 270.8 | 265.7 | 263.1 | 260.3 | 256.6 | 252.6 | 247.4 | 242.3 | 236.9 | 231.3 |
| 32.5° | 293.8 | 283.1 | 278.2 | 275.6 | 271.9 | 267.4 | 262.7 | 256.6 | 249.4 | 242.5 | 235.8 |
| 35° | 312.3 | 301.5 | 296.4 | 292.4 | 287.3 | 281.2 | 274.5 | 266.4 | 256.6 | 247.4 | 238.8 |
| 37.5° | 332.3 | 320.5 | 315.6 | 311.4 | 303.7 | 295.9 | 286.3 | 274.5 | 261.2 | 249.0 | 238.2 |
| 40° | 357.6 | 346.7 | 340.5 | 333.3 | 324.2 | 310.5 | 295.6 | 278.4 | 261.6 | 246.4 | 233.9 |
| 42.5° | 389.7 | 378.8 | 369.5 | 358.1 | 342.3 | 321.2 | 300.1 | 277.7 | 257.3 | 240.1 | 226.6 |
| 45° | 432.2 | 419.0 | 402.9 | 383.0 | 357.4 | 328.0 | 300.3 | 273.4 | 249.4 | 230.4 | 216.0 |
| 47.5° | 484.2 | 464.0 | 437.8 | 404.1 | 367.5 | 329.7 | 296.6 | 264.6 | 237.1 | 216.5 | 200.4 |
| 50° | 546.0 | 514.2 | 471.0 | 421.6 | 372.5 | 327.0 | 287.3 | 251.3 | 219.7 | 197.6 | 178.5 |
| 52.5° | 616.6 | 564.6 | 500.9 | 434.1 | 372.3 | 317.7 | 271.5 | 231.3 | 197.0 | 172.3 | 154.2 |
| 55° | 699.5 | 622.2 | 531.8 | 443.3 | 365.8 | 300.5 | 247.4 | 203.2 | 168.8 | 146.1 | 129.3 |
| 57.5° | 821.0 | 715.5 | 585.7 | 457.7 | 352.7 | 274.1 | 214.6 | 169.5 | 139.4 | 117.7 | 103.6 |
| 60° | 1043.0 | 871.4 | 682.8 | 486.7 | 332.8 | 235.2 | 176.3 | 133.6 | 108.2 | 90.8 | 81.2 |
| 62.5° | 1210.3 | 991.9 | 735.3 | 480.3 | 292.6 | 187.5 | 130.8 | 97.3 | 79.7 | 67.8 | 61.8 |
| 65° | 1186.3 | 954.5 | 679.3 | 413.7 | 229.4 | 132.1 | 86.8 | 66.2 | 54.8 | 49.2 | 45.8 |
| 66° | 1132.2 | 905.8 | 630.8 | 372.3 | 198.3 | 109.8 | 71.5 | 55.5 | 47.2 | 43.2 | 40.8 |
| 67.5° | 1029.5 | 815.1 | 543.9 | 305.2 | 152.3 | 79.7 | 53.9 | 43.9 | 38.3 | 36.7 | 35.0 |
| 70° | 855.9 | 650.1 | 381.8 | 177.6 | 77.8 | 44.4 | 34.1 | 30.7 | 29.2 | 29.0 | 28.6 |
| 72.5° | 655.9 | 460.1 | 224.8 | 84.0 | 40.4 | 29.5 | 26.4 | 25.3 | 24.9 | 24.9 | 25.1 |
| 75° | 402.0 | 258.4 | 99.4 | 41.1 | 28.3 | 24.9 | 23.4 | 23.0 | 22.8 | 23.0 | 22.8 |
| 77.5° | 134.2 | 82.2 | 42.5 | 31.1 | 25.8 | 23.0 | 22.1 | 21.6 | 21.6 | 21.6 | 21.6 |
| 80° | 41.1 | 35.8 | 32.5 | 28.8 | 24.4 | 21.9 | 20.4 | 20.2 | 20.4 | 20.6 | 20.0 |
| 82.5° | 30.9 | 29.2 | 27.4 | 25.6 | 22.1 | 19.5 | 19.1 | 19.1 | 19.1 | 18.3 | 17.4 |
| 85° | 22.8 | 22.5 | 18.5 | 17.4 | 16.3 | 16.3 | 16.3 | 16.3 | 15.5 | 14.4 | 13.5 |
| 87.5° | 4.1 | 3.9 | 4.1 | 4.5 | 6.5 | 6.9 | 6.9 | 7.5 | 8.1 | 7.7 | 7.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 231.5 | 231.5 | 231.5 | 231.5 | 231.5 |
| 2.5° | 232.4 | 232.2 | 233.0 | 232.4 | 232.7 |
| 5° | 234.6 | 234.3 | 234.8 | 234.3 | 235.0 |
| 7.5° | 233.9 | 233.4 | 233.2 | 233.4 | 233.7 |
| 10° | 229.0 | 228.5 | 228.3 | 228.1 | 228.3 |
| 12.5° | 224.8 | 223.8 | 223.8 | 223.4 | 223.6 |
| 15° | 221.8 | 221.1 | 220.8 | 220.4 | 220.6 |
| 17.5° | 220.4 | 219.3 | 218.8 | 218.3 | 218.3 |
| 20° | 219.5 | 218.0 | 217.4 | 216.9 | 216.7 |
| 22.5° | 219.5 | 217.4 | 216.5 | 216.0 | 215.8 |
| 25° | 220.4 | 217.8 | 216.5 | 215.8 | 215.5 |
| 27.5° | 222.3 | 219.0 | 217.4 | 216.5 | 216.5 |
| 30° | 225.5 | 221.3 | 219.0 | 217.8 | 217.6 |
| 32.5° | 228.8 | 223.2 | 219.9 | 218.5 | 218.0 |
| 35° | 230.4 | 223.2 | 219.3 | 216.9 | 216.5 |
| 37.5° | 228.5 | 220.2 | 215.3 | 211.8 | 211.1 |
| 40° | 222.7 | 213.9 | 208.6 | 205.3 | 204.9 |
| 42.5° | 215.0 | 206.4 | 200.2 | 197.8 | 197.2 |
| 45° | 204.6 | 194.4 | 188.1 | 184.9 | 185.1 |
| 47.5° | 186.7 | 176.3 | 170.7 | 167.7 | 168.2 |
| 50° | 165.6 | 155.3 | 150.5 | 147.3 | 148.0 |
| 52.5° | 142.4 | 133.1 | 128.4 | 126.8 | 126.3 |
| 55° | 118.0 | 110.8 | 107.6 | 105.7 | 105.0 |
| 57.5° | 95.6 | 90.6 | 88.3 | 85.9 | 86.1 |
| 60° | 75.4 | 73.0 | 72.2 | 69.6 | 69.4 |
| 62.5° | 59.5 | 57.8 | 57.1 | 55.2 | 55.5 |
| 65° | 45.1 | 44.6 | 45.1 | 43.9 | 44.4 |
| 66° | 40.6 | 40.8 | 40.8 | 40.2 | 40.6 |
| 67.5° | 35.0 | 35.5 | 36.3 | 35.5 | 36.0 |
| 70° | 29.0 | 29.5 | 29.9 | 29.9 | 29.9 |
| 72.5° | 25.3 | 25.8 | 26.0 | 26.0 | 26.0 |
| 75° | 23.2 | 23.4 | 23.7 | 23.2 | 23.2 |
| 77.5° | 21.9 | 21.9 | 21.3 | 21.1 | 20.9 |
| 80° | 19.7 | 19.5 | 18.9 | 18.3 | 18.3 |
| 82.5° | 16.5 | 16.1 | 15.5 | 14.8 | 14.8 |
| 85° | 12.5 | 12.1 | 11.6 | 10.7 | 10.3 |
| 87.5° | 6.5 | 6.7 | 6.5 | 5.4 | 4.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)