

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: STREETWORKS

Report Number: P161789

Luminaire Tested: **OVF-E01-LED-E-U-SL2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P161789
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-E01-LED-E-U-SL2-7060
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3004.4 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

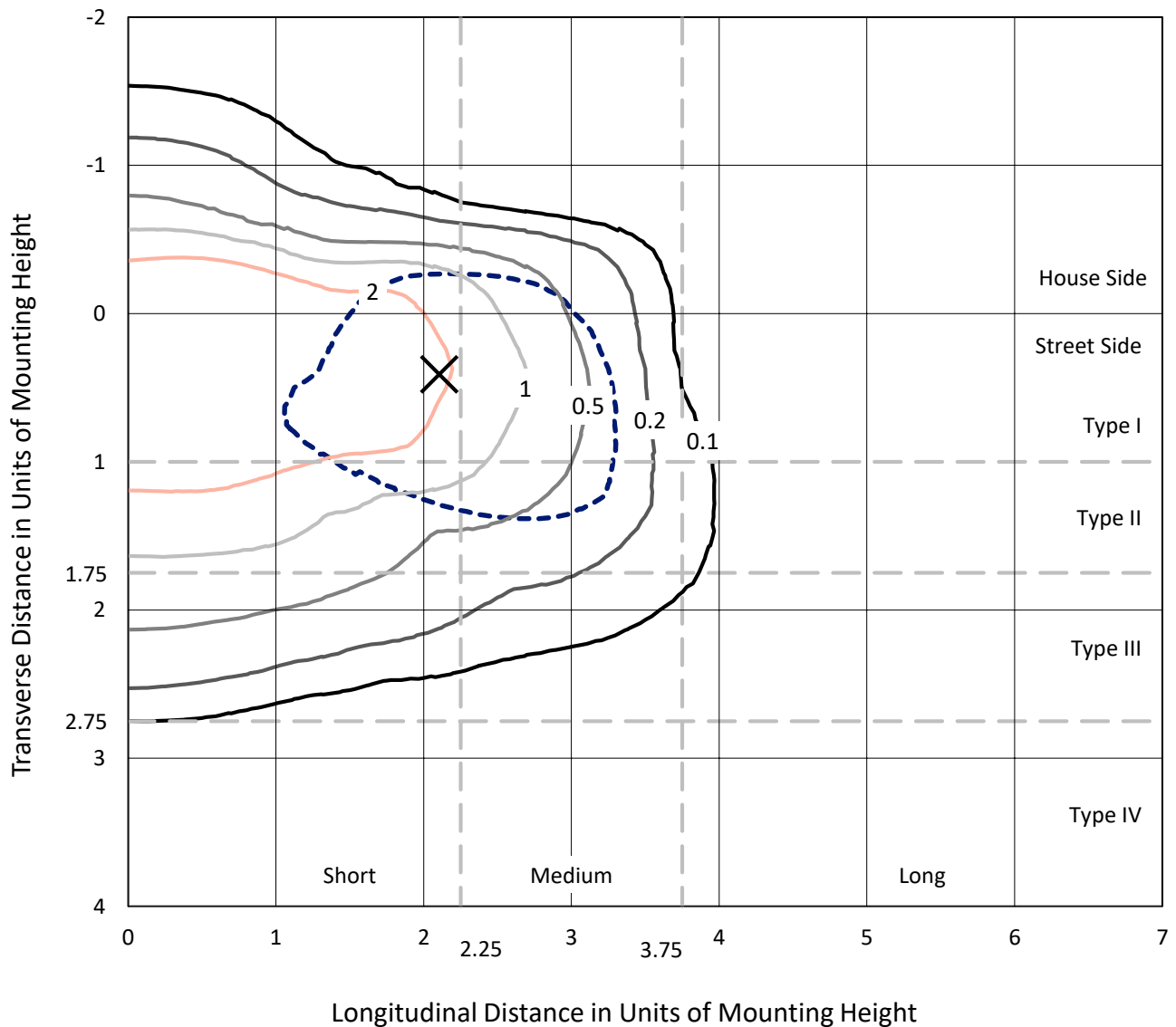
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

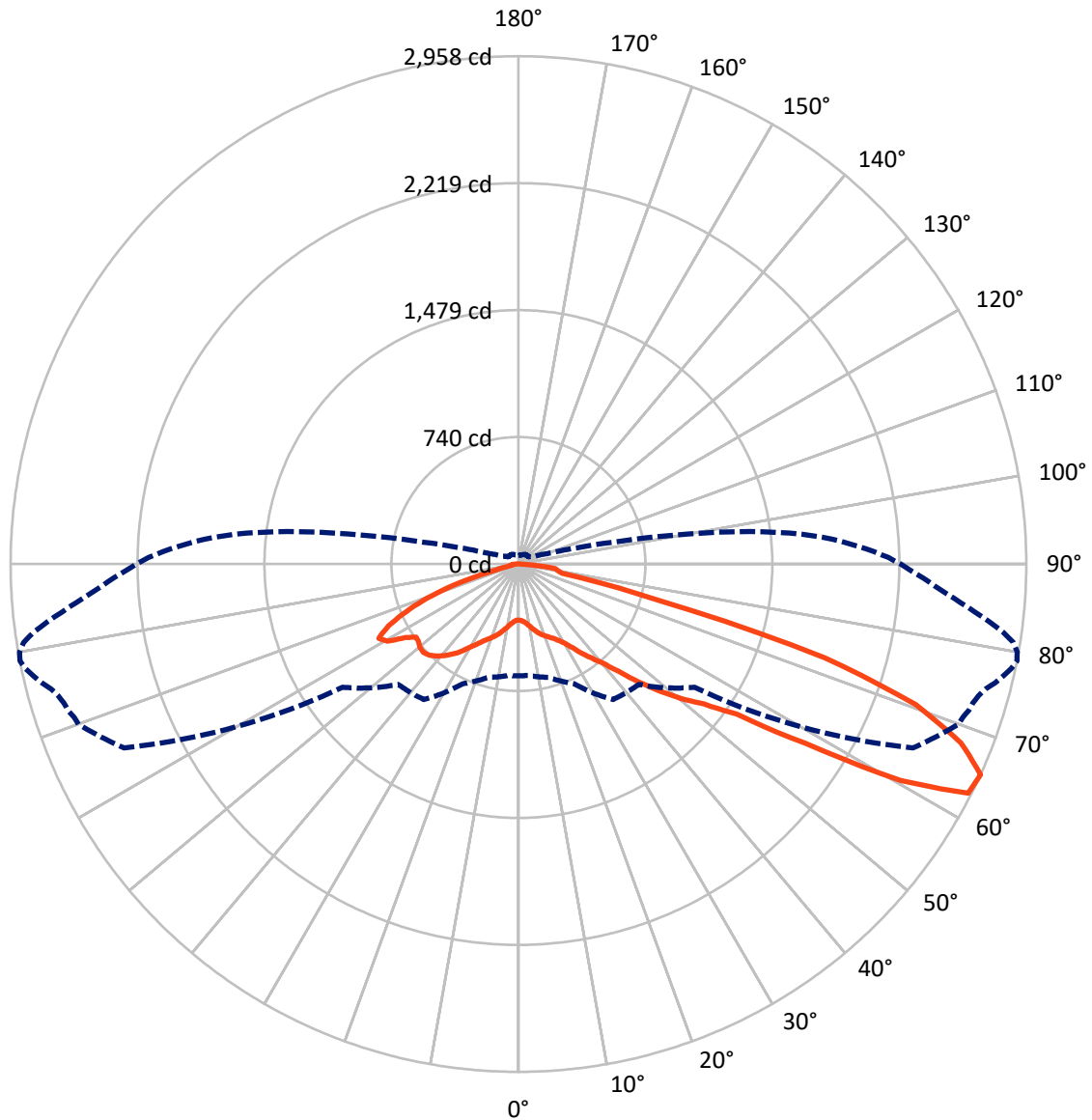
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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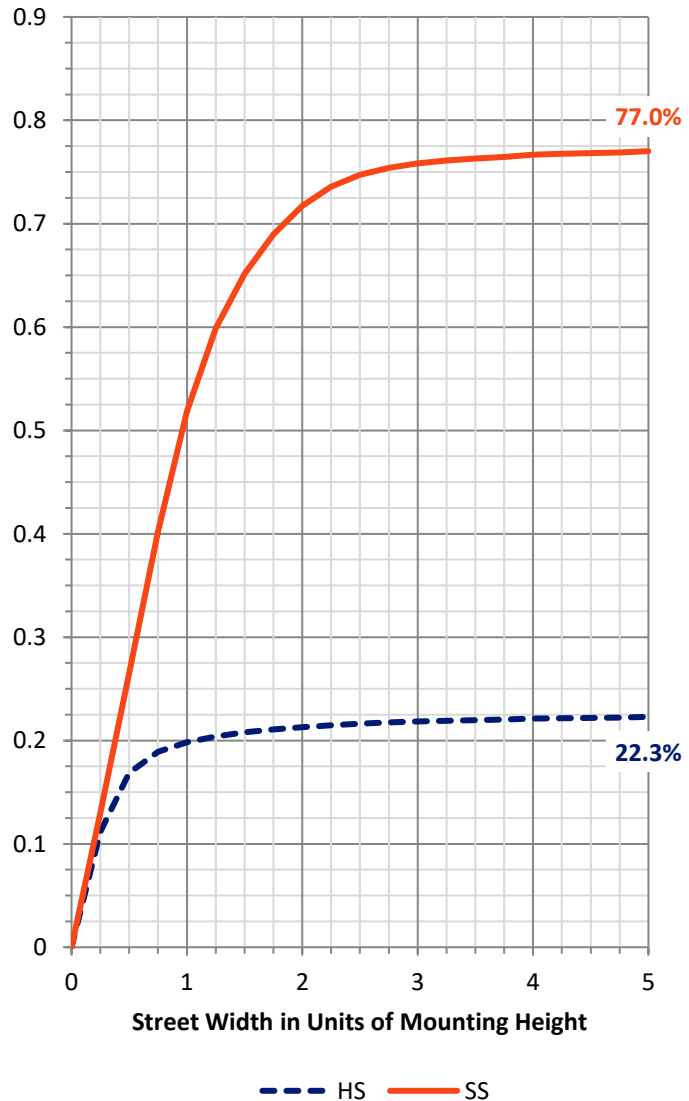
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 682.0 | 0.0 | 682.0 |
| | % Fixture | 22.7 | 0.0 | 22.7 |
| Street Side | Lumens | 2322.4 | 0.0 | 2322.4 |
| | % Fixture | 77.3 | 0.0 | 77.3 |
| Total | Lumens | 3004.4 | 0.0 | 3004.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.4 | 1.1 |
| 10°-20° | 105.5 | 3.5 |
| 20°-30° | 181.9 | 6.1 |
| 30°-40° | 296.6 | 9.9 |
| 40°-50° | 495.1 | 16.5 |
| 50°-60° | 669.5 | 22.3 |
| 60°-70° | 831.8 | 27.7 |
| 70°-80° | 333.1 | 11.1 |
| 80°-90° | 58.5 | 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° | 3004.4 | 100.0 |
| 0°-180° | 3004.4 | 100.0 |

Coefficient of Utilization



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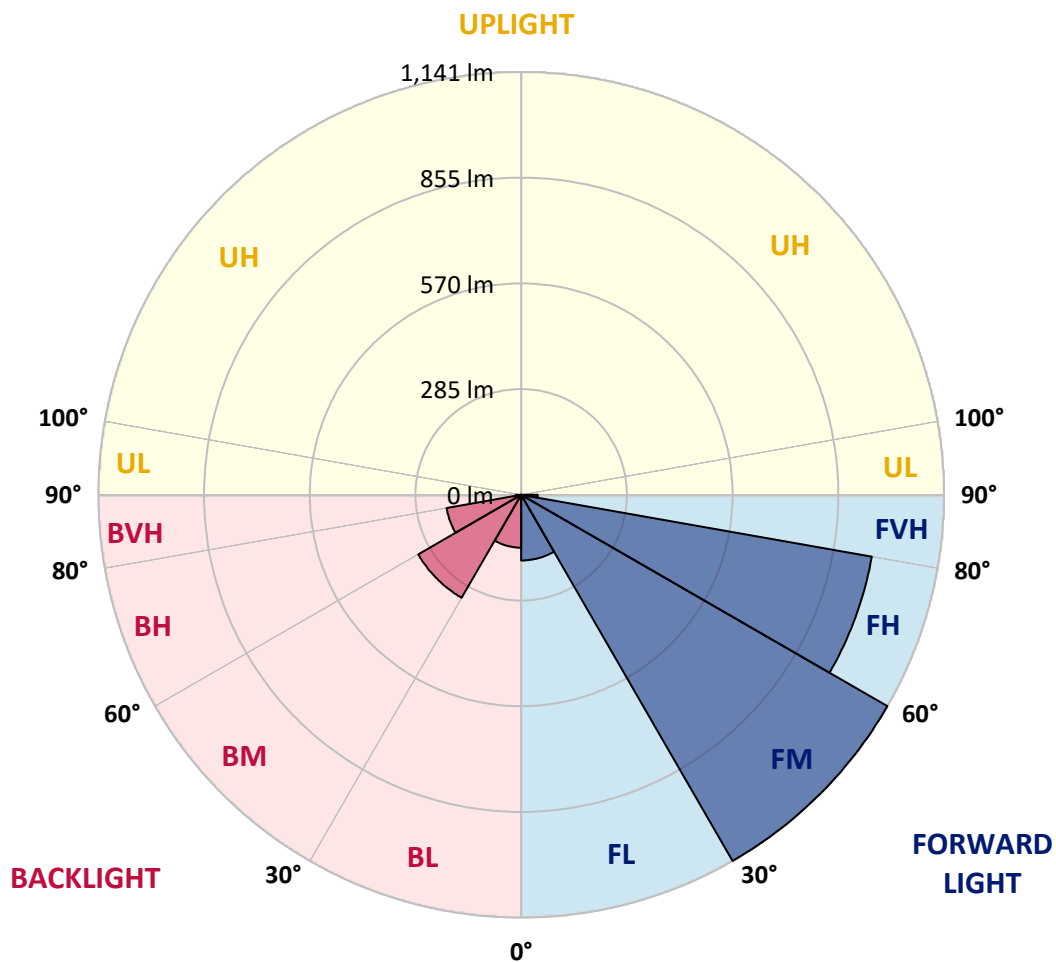
CATALOG NUMBER: OVF-E01-LED-E-U-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 177.2 | 5.9 | | | |
| FM (30°-60°) | 1140.5 | 38.0 | | | |
| FH (60°-80°) | 960.4 | 32.0 | | | G1/1800 |
| FVH (80°-90°) | 44.4 | 1.5 | | | G1/100 |
| BL (0°-30°) | 142.6 | 4.7 | B1/500 | | |
| BM (30°-60°) | 320.8 | 10.7 | B1/1000 | | |
| BH (60°-80°) | 204.4 | 6.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.1 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





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CATALOG NUMBER: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 71° | 72° |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 2.5° | 329.0 | 328.8 | 329.8 | 330.6 | 330.6 | 331.0 | 330.8 | 329.6 | 329.8 | 330.2 | 329.8 |
| 5° | 332.7 | 331.8 | 332.9 | 334.1 | 334.9 | 335.9 | 337.0 | 337.2 | 338.0 | 338.0 | 337.8 |
| 7.5° | 340.7 | 340.1 | 341.5 | 341.9 | 343.7 | 345.4 | 347.4 | 348.9 | 349.7 | 350.1 | 350.7 |
| 10° | 354.4 | 354.0 | 354.4 | 355.2 | 356.1 | 357.9 | 361.4 | 364.5 | 366.3 | 366.3 | 367.1 |
| 12.5° | 371.0 | 369.4 | 369.8 | 368.2 | 368.6 | 372.5 | 376.6 | 381.7 | 384.8 | 385.2 | 385.6 |
| 15° | 384.0 | 383.1 | 382.5 | 380.3 | 381.9 | 387.0 | 393.4 | 400.8 | 403.5 | 405.7 | 405.5 |
| 17.5° | 396.1 | 395.1 | 393.6 | 390.5 | 392.2 | 400.4 | 410.0 | 418.2 | 422.8 | 423.2 | 423.6 |
| 20° | 410.4 | 409.2 | 406.5 | 400.2 | 399.8 | 411.3 | 424.2 | 433.0 | 437.1 | 439.0 | 439.6 |
| 22.5° | 428.7 | 427.1 | 422.1 | 409.8 | 406.5 | 420.1 | 435.5 | 446.4 | 450.7 | 452.5 | 453.5 |
| 25° | 452.1 | 448.8 | 441.0 | 421.7 | 415.0 | 429.1 | 447.6 | 460.7 | 466.7 | 468.5 | 469.8 |
| 27.5° | 473.2 | 470.8 | 461.3 | 438.6 | 426.9 | 441.2 | 462.4 | 479.2 | 487.4 | 489.7 | 491.5 |
| 30° | 497.9 | 494.4 | 486.8 | 462.6 | 447.0 | 459.7 | 486.6 | 507.9 | 518.0 | 518.2 | 522.3 |
| 32.5° | 555.7 | 553.5 | 546.5 | 519.8 | 493.6 | 494.4 | 519.4 | 548.8 | 558.8 | 560.5 | 564.2 |
| 35° | 641.5 | 640.7 | 640.5 | 625.7 | 606.2 | 586.1 | 588.0 | 610.3 | 617.1 | 619.8 | 621.0 |
| 37.5° | 698.0 | 705.1 | 722.6 | 733.3 | 728.3 | 732.6 | 710.1 | 682.8 | 678.9 | 676.0 | 677.2 |
| 40° | 746.6 | 753.0 | 788.3 | 837.5 | 867.5 | 888.6 | 868.7 | 785.0 | 753.8 | 744.7 | 741.3 |
| 42.5° | 775.3 | 782.5 | 833.0 | 911.8 | 988.1 | 1038.2 | 1043.5 | 927.2 | 848.0 | 846.9 | 833.8 |
| 45° | 790.9 | 798.1 | 858.4 | 964.5 | 1072.5 | 1162.8 | 1209.6 | 1102.2 | 985.9 | 977.3 | 959.0 |
| 47.5° | 787.8 | 794.6 | 857.4 | 984.0 | 1122.4 | 1245.5 | 1339.1 | 1279.1 | 1144.9 | 1124.2 | 1099.0 |
| 50° | 750.3 | 755.2 | 821.1 | 952.2 | 1109.0 | 1280.0 | 1427.7 | 1441.5 | 1324.9 | 1296.8 | 1259.0 |
| 52.5° | 711.5 | 720.3 | 774.9 | 895.8 | 1048.5 | 1258.6 | 1480.7 | 1589.2 | 1493.0 | 1473.7 | 1425.3 |
| 55° | 690.6 | 697.5 | 742.1 | 845.3 | 984.7 | 1185.8 | 1502.6 | 1728.6 | 1697.2 | 1689.4 | 1655.1 |
| 57.5° | 689.7 | 696.5 | 732.0 | 814.7 | 932.7 | 1109.8 | 1509.0 | 1943.9 | 2036.0 | 2038.1 | 2028.2 |
| 60° | 723.4 | 730.4 | 760.1 | 829.5 | 916.7 | 1044.8 | 1486.2 | 2249.2 | 2452.8 | 2470.9 | 2501.0 |
| 62.5° | 728.1 | 731.4 | 767.3 | 860.9 | 975.0 | 996.1 | 1392.4 | 2503.5 | 2739.3 | 2755.9 | 2772.5 |
| 65° | 651.4 | 651.2 | 683.0 | 769.2 | 962.9 | 991.2 | 1251.4 | 2534.7 | 2727.8 | 2737.9 | 2758.6 |
| 67.5° | 485.8 | 481.7 | 499.7 | 578.5 | 764.0 | 992.4 | 1084.4 | 2299.3 | 2515.2 | 2534.3 | 2541.3 |
| 70° | 250.4 | 256.7 | 269.0 | 317.3 | 485.1 | 798.9 | 931.5 | 1940.0 | 2208.0 | 2215.2 | 2240.0 |
| 72.5° | 102.8 | 100.1 | 108.6 | 133.4 | 242.8 | 528.0 | 770.6 | 1530.9 | 1823.6 | 1818.7 | 1823.2 |
| 75° | 57.3 | 58.1 | 60.5 | 69.6 | 118.0 | 265.1 | 662.0 | 1083.8 | 1240.2 | 1155.2 | 1129.5 |
| 77.5° | 46.0 | 46.4 | 46.6 | 48.2 | 64.4 | 141.4 | 508.1 | 713.8 | 623.7 | 579.1 | 562.1 |
| 80° | 33.7 | 35.9 | 38.4 | 38.8 | 44.3 | 80.2 | 278.7 | 600.9 | 526.4 | 489.5 | 459.1 |
| 82.5° | 27.1 | 28.1 | 33.5 | 34.3 | 35.3 | 47.8 | 126.2 | 564.4 | 524.3 | 486.6 | 444.7 |
| 85° | 16.2 | 18.1 | 27.3 | 27.5 | 27.9 | 29.1 | 69.8 | 229.8 | 285.9 | 252.6 | 231.3 |
| 87.5° | 5.7 | 7.4 | 13.5 | 11.3 | 14.4 | 11.9 | 30.6 | 77.0 | 94.8 | 90.1 | 79.8 |
| 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: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 2.5° | 329.6 | 329.6 | 330.0 | 329.8 | 329.8 | 329.8 | 329.8 | 329.4 | 329.4 | 328.8 | 329.2 |
| 5° | 337.8 | 337.6 | 337.8 | 338.0 | 337.8 | 338.2 | 338.0 | 337.8 | 338.0 | 337.8 | 338.0 |
| 7.5° | 350.9 | 349.9 | 351.3 | 350.5 | 350.3 | 351.5 | 350.9 | 351.5 | 351.7 | 351.5 | 351.3 |
| 10° | 367.6 | 368.2 | 368.2 | 368.2 | 367.8 | 369.0 | 369.2 | 369.6 | 369.8 | 370.6 | 370.6 |
| 12.5° | 386.6 | 386.8 | 387.7 | 387.5 | 387.9 | 389.3 | 390.3 | 390.5 | 390.7 | 391.4 | 390.5 |
| 15° | 407.2 | 407.6 | 407.6 | 409.4 | 408.8 | 410.9 | 411.5 | 411.5 | 411.7 | 414.1 | 414.3 |
| 17.5° | 425.4 | 425.4 | 427.1 | 427.1 | 428.7 | 429.1 | 431.0 | 431.2 | 432.0 | 434.2 | 434.5 |
| 20° | 440.8 | 441.6 | 442.7 | 443.9 | 444.5 | 445.7 | 447.0 | 448.2 | 449.2 | 451.1 | 451.3 |
| 22.5° | 455.4 | 456.2 | 457.8 | 458.7 | 460.1 | 460.9 | 462.0 | 463.4 | 465.0 | 467.5 | 468.1 |
| 25° | 472.2 | 473.0 | 474.9 | 476.1 | 477.8 | 479.0 | 480.8 | 482.7 | 483.7 | 486.2 | 488.0 |
| 27.5° | 493.6 | 496.0 | 498.5 | 499.1 | 500.3 | 503.2 | 505.7 | 508.1 | 510.4 | 511.6 | 513.9 |
| 30° | 524.8 | 524.8 | 529.9 | 529.9 | 532.1 | 534.8 | 536.4 | 539.1 | 543.2 | 544.5 | 547.3 |
| 32.5° | 566.6 | 567.6 | 569.5 | 575.0 | 579.1 | 580.4 | 581.6 | 585.5 | 588.0 | 591.0 | 594.5 |
| 35° | 626.3 | 627.4 | 628.4 | 633.7 | 638.4 | 639.7 | 640.9 | 643.4 | 647.5 | 652.8 | 651.2 |
| 37.5° | 679.9 | 680.5 | 683.8 | 689.7 | 692.4 | 695.7 | 696.7 | 701.2 | 703.5 | 708.4 | 708.6 |
| 40° | 744.3 | 742.9 | 744.7 | 751.5 | 755.6 | 755.4 | 758.7 | 766.9 | 768.6 | 770.8 | 776.6 |
| 42.5° | 834.2 | 828.9 | 834.6 | 836.9 | 843.0 | 846.9 | 853.5 | 859.1 | 863.0 | 871.6 | 875.7 |
| 45° | 950.4 | 944.8 | 949.6 | 950.6 | 963.3 | 967.2 | 977.1 | 984.4 | 992.9 | 1002.7 | 1005.6 |
| 47.5° | 1082.7 | 1072.5 | 1066.7 | 1073.1 | 1088.3 | 1094.6 | 1104.3 | 1111.3 | 1120.1 | 1125.2 | 1123.6 |
| 50° | 1236.0 | 1211.4 | 1199.9 | 1196.6 | 1207.5 | 1216.6 | 1231.5 | 1234.8 | 1238.9 | 1238.7 | 1238.9 |
| 52.5° | 1407.0 | 1381.3 | 1357.3 | 1340.7 | 1339.1 | 1351.2 | 1354.9 | 1355.7 | 1354.5 | 1345.2 | 1339.5 |
| 55° | 1630.3 | 1628.4 | 1603.2 | 1568.7 | 1566.5 | 1565.0 | 1543.5 | 1540.8 | 1535.9 | 1521.7 | 1502.2 |
| 57.5° | 2035.4 | 2055.9 | 2039.3 | 2038.5 | 2020.4 | 2008.5 | 1968.9 | 1949.2 | 1928.5 | 1890.1 | 1859.5 |
| 60° | 2503.7 | 2533.5 | 2549.9 | 2557.1 | 2592.4 | 2592.4 | 2559.9 | 2532.0 | 2498.4 | 2439.9 | 2382.8 |
| 62.5° | 2785.7 | 2811.7 | 2836.0 | 2873.9 | 2918.9 | 2938.8 | 2940.4 | 2915.6 | 2873.1 | 2806.4 | 2725.7 |
| 65° | 2767.8 | 2787.1 | 2816.5 | 2861.2 | 2898.3 | 2934.0 | 2958.1 | 2950.5 | 2918.0 | 2851.3 | 2763.5 |
| 67.5° | 2565.7 | 2593.8 | 2631.8 | 2673.0 | 2707.5 | 2741.1 | 2779.9 | 2782.8 | 2774.2 | 2710.8 | 2631.3 |
| 70° | 2253.7 | 2289.9 | 2313.9 | 2365.8 | 2381.4 | 2415.5 | 2454.4 | 2473.1 | 2459.2 | 2410.3 | 2363.7 |
| 72.5° | 1831.0 | 1859.5 | 1863.6 | 1841.0 | 1848.8 | 1857.3 | 1866.7 | 1823.0 | 1806.2 | 1740.9 | 1710.9 |
| 75° | 1110.2 | 1072.7 | 1041.1 | 1009.7 | 915.9 | 882.7 | 831.6 | 730.8 | 719.3 | 650.1 | 602.1 |
| 77.5° | 528.0 | 512.2 | 483.7 | 435.9 | 372.3 | 311.3 | 258.4 | 209.9 | 191.9 | 158.0 | 134.6 |
| 80° | 442.0 | 423.2 | 397.5 | 362.0 | 317.5 | 273.1 | 231.3 | 195.4 | 159.3 | 129.7 | 103.6 |
| 82.5° | 405.5 | 372.7 | 336.6 | 306.0 | 274.6 | 244.4 | 216.3 | 183.9 | 164.8 | 133.0 | 108.6 |
| 85° | 205.0 | 179.6 | 145.5 | 122.5 | 103.4 | 84.1 | 72.9 | 62.2 | 55.4 | 44.1 | 38.4 |
| 87.5° | 68.7 | 56.2 | 41.9 | 35.5 | 32.0 | 27.5 | 25.2 | 24.0 | 23.4 | 20.7 | 18.5 |
| 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: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 2.5° | 329.2 | 329.2 | 329.2 | 329.2 | 329.0 | 329.0 | 329.0 | 329.0 | 329.0 | 329.0 | 329.2 |
| 5° | 337.6 | 337.6 | 337.8 | 338.4 | 337.2 | 337.6 | 338.0 | 337.4 | 338.0 | 337.4 | 338.2 |
| 7.5° | 351.1 | 351.7 | 351.3 | 352.2 | 351.7 | 353.0 | 352.2 | 351.5 | 352.0 | 352.0 | 352.2 |
| 10° | 370.2 | 371.0 | 370.4 | 370.8 | 370.8 | 371.7 | 370.6 | 370.8 | 371.0 | 370.6 | 370.8 |
| 12.5° | 391.4 | 391.8 | 391.6 | 392.8 | 392.2 | 392.8 | 392.2 | 393.0 | 393.4 | 393.8 | 393.8 |
| 15° | 414.3 | 414.8 | 416.0 | 415.8 | 417.0 | 416.6 | 416.8 | 415.8 | 417.8 | 416.6 | 417.0 |
| 17.5° | 435.5 | 435.3 | 436.9 | 437.5 | 437.7 | 437.9 | 438.6 | 437.7 | 437.9 | 438.6 | 438.1 |
| 20° | 451.9 | 453.3 | 453.7 | 455.4 | 456.6 | 457.0 | 456.8 | 457.4 | 458.3 | 457.4 | 457.4 |
| 22.5° | 469.3 | 471.4 | 472.0 | 473.0 | 474.3 | 474.5 | 475.7 | 476.3 | 476.7 | 476.5 | 476.7 |
| 25° | 490.3 | 491.7 | 493.1 | 495.2 | 496.6 | 496.8 | 497.9 | 498.7 | 498.9 | 498.7 | 499.9 |
| 27.5° | 515.9 | 517.8 | 519.6 | 522.1 | 523.7 | 524.1 | 526.4 | 526.4 | 527.6 | 528.2 | 528.6 |
| 30° | 549.0 | 549.6 | 554.3 | 556.8 | 556.1 | 559.0 | 562.1 | 561.9 | 563.3 | 563.7 | 564.8 |
| 32.5° | 597.0 | 597.0 | 601.1 | 604.2 | 607.5 | 606.4 | 611.1 | 610.3 | 612.6 | 613.8 | 613.2 |
| 35° | 655.3 | 657.3 | 660.4 | 662.2 | 665.7 | 667.6 | 670.9 | 672.7 | 673.7 | 673.5 | 671.3 |
| 37.5° | 715.4 | 718.7 | 719.9 | 724.4 | 727.9 | 731.0 | 731.4 | 729.4 | 730.2 | 726.1 | 724.8 |
| 40° | 784.1 | 788.9 | 791.7 | 798.5 | 798.1 | 802.0 | 802.4 | 796.5 | 795.4 | 790.1 | 784.6 |
| 42.5° | 880.2 | 886.8 | 889.0 | 894.1 | 890.0 | 891.9 | 881.6 | 879.2 | 871.0 | 862.3 | 849.8 |
| 45° | 1009.7 | 1006.4 | 1007.8 | 1006.4 | 995.5 | 987.5 | 979.1 | 967.0 | 954.9 | 938.3 | 920.4 |
| 47.5° | 1123.6 | 1125.2 | 1114.6 | 1107.8 | 1090.1 | 1078.8 | 1063.5 | 1042.3 | 1027.5 | 1005.2 | 981.6 |
| 50° | 1234.2 | 1215.9 | 1201.0 | 1185.4 | 1169.8 | 1149.0 | 1125.8 | 1107.2 | 1085.6 | 1057.7 | 1028.8 |
| 52.5° | 1324.1 | 1300.5 | 1282.4 | 1260.3 | 1239.1 | 1216.1 | 1191.9 | 1164.8 | 1136.5 | 1108.6 | 1072.9 |
| 55° | 1483.3 | 1449.1 | 1425.9 | 1387.1 | 1363.1 | 1330.9 | 1312.0 | 1276.9 | 1237.5 | 1200.5 | 1162.6 |
| 57.5° | 1825.0 | 1773.7 | 1747.3 | 1725.3 | 1687.9 | 1635.0 | 1601.3 | 1543.7 | 1487.4 | 1448.0 | 1384.8 |
| 60° | 2339.7 | 2287.6 | 2243.7 | 2191.8 | 2134.5 | 2062.7 | 2030.7 | 1962.7 | 1882.3 | 1817.2 | 1733.7 |
| 62.5° | 2660.5 | 2588.5 | 2517.2 | 2444.4 | 2386.9 | 2330.7 | 2264.4 | 2195.9 | 2116.2 | 2027.8 | 1936.5 |
| 65° | 2673.4 | 2587.0 | 2501.9 | 2427.6 | 2360.2 | 2287.2 | 2225.0 | 2155.4 | 2071.7 | 1980.6 | 1885.8 |
| 67.5° | 2539.2 | 2442.5 | 2351.2 | 2269.7 | 2192.8 | 2125.1 | 2060.0 | 1994.5 | 1904.9 | 1828.5 | 1731.5 |
| 70° | 2271.8 | 2183.6 | 2100.8 | 2008.1 | 1949.2 | 1873.1 | 1809.6 | 1740.7 | 1676.5 | 1605.0 | 1514.1 |
| 72.5° | 1668.7 | 1602.2 | 1507.8 | 1468.4 | 1436.8 | 1356.1 | 1308.9 | 1303.2 | 1262.1 | 1176.5 | 1108.6 |
| 75° | 620.6 | 528.2 | 500.3 | 517.0 | 489.2 | 498.5 | 495.0 | 475.3 | 476.1 | 461.5 | 444.3 |
| 77.5° | 121.5 | 112.9 | 106.1 | 107.9 | 100.4 | 97.1 | 104.0 | 102.0 | 98.3 | 99.3 | 97.7 |
| 80° | 82.7 | 70.0 | 63.4 | 61.0 | 57.9 | 56.4 | 56.0 | 55.4 | 54.2 | 53.6 | 51.7 |
| 82.5° | 81.5 | 60.5 | 47.8 | 41.0 | 38.6 | 37.4 | 36.3 | 36.1 | 35.7 | 35.5 | 36.1 |
| 85° | 32.4 | 26.3 | 24.0 | 22.0 | 21.3 | 20.7 | 20.7 | 20.5 | 20.3 | 20.7 | 21.5 |
| 87.5° | 15.8 | 13.3 | 12.1 | 11.1 | 10.7 | 10.5 | 10.5 | 10.7 | 10.9 | 11.7 | 13.3 |
| 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: P161789

CATALOG NUMBER: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 95° | 96° | 97° | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 2.5° | 328.8 | 329.0 | 328.6 | 328.8 | 328.6 | 328.1 | 327.9 | 328.6 | 328.4 | 328.1 | 328.1 |
| 5° | 337.2 | 338.0 | 337.6 | 337.2 | 337.2 | 337.0 | 337.0 | 337.0 | 336.8 | 337.0 | 336.4 |
| 7.5° | 351.7 | 351.5 | 351.5 | 351.1 | 350.7 | 351.1 | 350.9 | 350.3 | 350.5 | 350.1 | 349.5 |
| 10° | 370.4 | 369.8 | 370.8 | 370.8 | 370.0 | 369.8 | 369.4 | 368.8 | 368.8 | 368.2 | 368.2 |
| 12.5° | 392.6 | 392.0 | 393.4 | 392.4 | 391.2 | 390.9 | 389.7 | 389.3 | 389.9 | 389.7 | 389.3 |
| 15° | 415.2 | 415.4 | 416.0 | 415.8 | 414.3 | 414.3 | 412.7 | 412.9 | 411.7 | 411.3 | 410.2 |
| 17.5° | 437.1 | 437.3 | 436.7 | 436.7 | 435.7 | 435.1 | 433.2 | 433.4 | 432.6 | 431.0 | 429.7 |
| 20° | 456.8 | 456.6 | 455.2 | 456.4 | 454.4 | 453.9 | 452.3 | 450.7 | 451.1 | 449.4 | 447.0 |
| 22.5° | 476.1 | 475.7 | 475.3 | 474.7 | 473.7 | 473.2 | 471.4 | 471.2 | 469.1 | 466.7 | 464.6 |
| 25° | 498.5 | 498.3 | 497.7 | 497.9 | 495.8 | 496.0 | 492.7 | 491.9 | 490.7 | 488.0 | 486.4 |
| 27.5° | 527.4 | 527.4 | 525.8 | 525.2 | 524.5 | 523.7 | 520.9 | 518.8 | 515.7 | 512.6 | 509.4 |
| 30° | 562.9 | 562.5 | 562.1 | 560.5 | 558.2 | 557.0 | 551.8 | 548.6 | 544.5 | 538.7 | 533.8 |
| 32.5° | 613.6 | 610.1 | 607.2 | 603.6 | 599.9 | 596.0 | 588.0 | 582.4 | 575.9 | 566.6 | 558.8 |
| 35° | 670.0 | 664.1 | 661.0 | 653.4 | 646.4 | 638.6 | 629.0 | 617.7 | 608.7 | 596.6 | 583.9 |
| 37.5° | 716.6 | 712.1 | 703.9 | 695.3 | 685.4 | 670.7 | 659.8 | 647.7 | 631.9 | 618.5 | 603.1 |
| 40° | 774.1 | 763.8 | 752.1 | 737.8 | 724.2 | 707.6 | 692.6 | 675.2 | 655.9 | 636.6 | 616.5 |
| 42.5° | 834.4 | 818.6 | 799.3 | 782.7 | 762.2 | 740.4 | 720.9 | 697.3 | 672.7 | 646.9 | 620.0 |
| 45° | 896.0 | 876.5 | 850.8 | 827.2 | 798.7 | 771.4 | 743.5 | 711.3 | 677.6 | 643.2 | 609.3 |
| 47.5° | 952.4 | 923.9 | 894.8 | 863.0 | 830.1 | 795.0 | 755.4 | 713.1 | 668.8 | 623.5 | 581.2 |
| 50° | 996.8 | 961.1 | 924.3 | 887.6 | 847.4 | 801.8 | 751.9 | 696.7 | 642.1 | 587.8 | 539.1 |
| 52.5° | 1036.0 | 995.9 | 950.8 | 905.2 | 855.6 | 799.5 | 737.2 | 672.1 | 605.6 | 545.5 | 490.9 |
| 55° | 1111.9 | 1061.6 | 1002.1 | 943.4 | 880.6 | 810.0 | 732.2 | 652.6 | 576.1 | 510.6 | 452.5 |
| 57.5° | 1318.1 | 1250.2 | 1158.1 | 1076.6 | 997.0 | 894.1 | 784.6 | 686.5 | 589.0 | 511.6 | 447.0 |
| 60° | 1643.0 | 1532.4 | 1426.9 | 1302.7 | 1173.9 | 1032.9 | 885.9 | 753.8 | 635.0 | 537.9 | 460.1 |
| 62.5° | 1831.4 | 1714.6 | 1579.0 | 1428.5 | 1261.5 | 1089.7 | 921.0 | 766.7 | 636.4 | 530.7 | 444.5 |
| 65° | 1780.5 | 1663.1 | 1513.9 | 1360.0 | 1182.3 | 1006.6 | 839.1 | 691.0 | 564.6 | 466.9 | 384.4 |
| 67.5° | 1629.5 | 1506.7 | 1366.6 | 1195.8 | 1025.9 | 863.2 | 710.5 | 570.9 | 459.1 | 368.0 | 295.1 |
| 70° | 1409.7 | 1300.5 | 1165.5 | 1008.0 | 843.3 | 696.9 | 568.3 | 442.5 | 347.8 | 264.3 | 206.9 |
| 72.5° | 1046.2 | 949.6 | 865.2 | 733.7 | 613.0 | 498.3 | 393.4 | 307.8 | 226.4 | 171.2 | 131.8 |
| 75° | 439.2 | 406.5 | 392.8 | 344.6 | 299.6 | 245.6 | 184.9 | 147.3 | 119.4 | 101.6 | 80.7 |
| 77.5° | 106.5 | 106.5 | 100.1 | 93.8 | 86.2 | 78.0 | 69.0 | 61.6 | 57.9 | 54.6 | 51.9 |
| 80° | 51.7 | 51.3 | 49.7 | 49.5 | 48.0 | 46.2 | 45.1 | 43.7 | 43.1 | 42.3 | 41.9 |
| 82.5° | 36.3 | 36.1 | 35.5 | 36.3 | 36.1 | 36.9 | 37.4 | 37.6 | 37.6 | 37.8 | 38.0 |
| 85° | 23.0 | 23.8 | 25.4 | 27.5 | 29.3 | 31.6 | 33.7 | 35.3 | 36.5 | 37.6 | 38.4 |
| 87.5° | 14.6 | 16.6 | 17.9 | 20.9 | 24.0 | 27.5 | 31.4 | 33.0 | 34.5 | 34.7 | 33.5 |
| 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: P161789

CATALOG NUMBER: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 106° | 107° | 108° | 109° | 110° | 115° | 125° | 135° | 145° | 155° | 165° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 2.5° | 328.1 | 327.9 | 328.4 | 327.9 | 327.9 | 327.7 | 327.1 | 326.5 | 325.9 | 325.7 | 325.1 |
| 5° | 336.2 | 336.2 | 336.6 | 335.7 | 335.9 | 335.1 | 333.3 | 331.2 | 329.4 | 327.7 | 325.9 |
| 7.5° | 349.7 | 349.1 | 349.3 | 349.1 | 348.7 | 347.0 | 342.9 | 337.8 | 332.9 | 327.7 | 323.6 |
| 10° | 367.8 | 366.5 | 366.5 | 366.1 | 365.5 | 363.2 | 354.6 | 344.4 | 334.1 | 324.9 | 318.1 |
| 12.5° | 387.9 | 388.1 | 386.4 | 385.4 | 384.4 | 379.7 | 366.7 | 350.3 | 334.1 | 319.3 | 308.4 |
| 15° | 408.8 | 408.6 | 406.7 | 406.1 | 403.9 | 396.9 | 377.4 | 353.4 | 330.2 | 308.4 | 292.2 |
| 17.5° | 427.7 | 426.9 | 425.0 | 423.8 | 421.3 | 412.1 | 384.6 | 352.0 | 319.9 | 291.4 | 271.1 |
| 20° | 444.9 | 443.9 | 442.3 | 440.0 | 437.5 | 424.2 | 387.3 | 344.6 | 303.7 | 271.1 | 250.6 |
| 22.5° | 462.8 | 460.5 | 458.7 | 455.6 | 452.9 | 435.1 | 385.4 | 331.4 | 285.3 | 248.5 | 226.6 |
| 25° | 482.7 | 480.0 | 476.1 | 472.4 | 468.3 | 443.9 | 380.3 | 315.0 | 263.1 | 224.1 | 201.9 |
| 27.5° | 504.2 | 500.3 | 495.2 | 490.5 | 483.9 | 450.5 | 371.5 | 296.7 | 238.9 | 199.9 | 176.9 |
| 30° | 527.0 | 519.8 | 513.5 | 506.3 | 497.9 | 453.5 | 358.7 | 274.2 | 212.2 | 175.3 | 152.3 |
| 32.5° | 549.2 | 539.5 | 530.1 | 519.6 | 508.1 | 452.3 | 340.7 | 247.5 | 185.5 | 152.3 | 133.0 |
| 35° | 571.7 | 557.8 | 544.7 | 530.5 | 516.5 | 446.2 | 315.8 | 217.9 | 160.3 | 133.2 | 119.2 |
| 37.5° | 587.1 | 569.7 | 552.2 | 535.2 | 518.4 | 432.8 | 282.8 | 184.9 | 137.5 | 119.4 | 109.4 |
| 40° | 594.9 | 573.6 | 552.2 | 531.1 | 510.4 | 410.6 | 244.2 | 154.7 | 121.3 | 109.2 | 102.0 |
| 42.5° | 592.7 | 566.2 | 539.7 | 514.7 | 489.2 | 375.3 | 202.3 | 129.9 | 110.0 | 101.2 | 94.8 |
| 45° | 574.0 | 542.4 | 512.2 | 485.8 | 453.9 | 330.0 | 166.2 | 114.5 | 101.4 | 94.6 | 88.7 |
| 47.5° | 538.9 | 503.6 | 466.7 | 436.7 | 407.0 | 277.5 | 138.3 | 104.9 | 93.8 | 88.2 | 82.3 |
| 50° | 494.2 | 453.3 | 416.4 | 384.0 | 354.8 | 228.4 | 119.2 | 96.7 | 87.6 | 82.9 | 76.5 |
| 52.5° | 444.9 | 401.0 | 367.3 | 333.3 | 304.8 | 190.7 | 105.9 | 87.6 | 81.7 | 76.8 | 71.6 |
| 55° | 404.1 | 363.4 | 329.2 | 294.9 | 266.2 | 166.8 | 94.8 | 80.7 | 76.1 | 71.0 | 66.9 |
| 57.5° | 393.2 | 346.8 | 309.5 | 277.0 | 247.5 | 152.3 | 86.8 | 74.3 | 71.2 | 67.3 | 62.8 |
| 60° | 397.7 | 346.6 | 304.8 | 269.3 | 238.3 | 140.6 | 80.9 | 70.0 | 67.5 | 64.0 | 59.3 |
| 62.5° | 381.5 | 327.5 | 285.3 | 247.5 | 218.2 | 125.8 | 76.5 | 67.9 | 66.3 | 61.6 | 56.2 |
| 65° | 325.1 | 275.6 | 235.0 | 202.3 | 177.1 | 105.9 | 73.1 | 69.8 | 68.1 | 59.9 | 54.2 |
| 67.5° | 247.5 | 206.2 | 173.6 | 149.2 | 130.9 | 87.6 | 72.2 | 75.9 | 72.6 | 60.7 | 53.6 |
| 70° | 171.2 | 140.0 | 119.0 | 104.3 | 92.8 | 73.9 | 74.9 | 82.7 | 78.0 | 63.4 | 57.1 |
| 72.5° | 108.6 | 90.7 | 80.4 | 74.9 | 69.4 | 62.4 | 74.3 | 81.9 | 75.5 | 63.8 | 57.1 |
| 75° | 69.6 | 62.2 | 58.7 | 56.6 | 55.0 | 54.4 | 65.5 | 67.3 | 60.7 | 55.4 | 53.2 |
| 77.5° | 49.3 | 48.0 | 47.4 | 47.2 | 47.4 | 48.8 | 54.2 | 50.7 | 44.1 | 44.3 | 45.6 |
| 80° | 41.7 | 41.7 | 41.2 | 41.5 | 41.9 | 42.5 | 43.3 | 37.4 | 33.9 | 36.5 | 40.6 |
| 82.5° | 38.2 | 38.8 | 39.2 | 39.6 | 40.2 | 39.4 | 36.7 | 28.3 | 27.3 | 35.5 | 39.8 |
| 85° | 38.8 | 38.8 | 39.0 | 39.4 | 39.6 | 35.5 | 30.6 | 21.3 | 20.9 | 39.8 | 37.6 |
| 87.5° | 33.2 | 32.8 | 31.4 | 30.4 | 28.9 | 24.4 | 20.3 | 11.9 | 12.3 | 24.6 | 26.3 |
| 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: P161789

CATALOG NUMBER: OVF-E01-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|-------|-------|
| 0° | 326.5 | 326.5 |
| 2.5° | 324.9 | 324.9 |
| 5° | 324.9 | 324.9 |
| 7.5° | 322.2 | 321.4 |
| 10° | 314.4 | 313.4 |
| 12.5° | 302.5 | 301.5 |
| 15° | 284.2 | 283.0 |
| 17.5° | 261.5 | 259.4 |
| 20° | 237.6 | 234.8 |
| 22.5° | 213.8 | 211.6 |
| 25° | 189.4 | 187.4 |
| 27.5° | 165.4 | 163.4 |
| 30° | 143.2 | 142.4 |
| 32.5° | 126.8 | 126.0 |
| 35° | 114.7 | 114.3 |
| 37.5° | 106.5 | 106.1 |
| 40° | 99.3 | 98.9 |
| 42.5° | 92.8 | 92.1 |
| 45° | 86.2 | 86.4 |
| 47.5° | 79.6 | 79.4 |
| 50° | 73.9 | 73.9 |
| 52.5° | 69.2 | 69.0 |
| 55° | 64.8 | 64.6 |
| 57.5° | 60.5 | 60.3 |
| 60° | 56.8 | 56.2 |
| 62.5° | 53.4 | 52.9 |
| 65° | 51.1 | 50.9 |
| 67.5° | 49.5 | 48.8 |
| 70° | 49.0 | 47.4 |
| 72.5° | 47.8 | 45.8 |
| 75° | 44.9 | 43.9 |
| 77.5° | 39.6 | 38.4 |
| 80° | 30.6 | 28.3 |
| 82.5° | 25.7 | 22.2 |
| 85° | 18.9 | 17.4 |
| 87.5° | 13.7 | 10.9 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)