

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: P145953

Luminaire Tested: **OVH-F02-LED-E-U-SLL-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145953  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVH-F02-LED-E-U-SLL-8030  
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3753.2 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

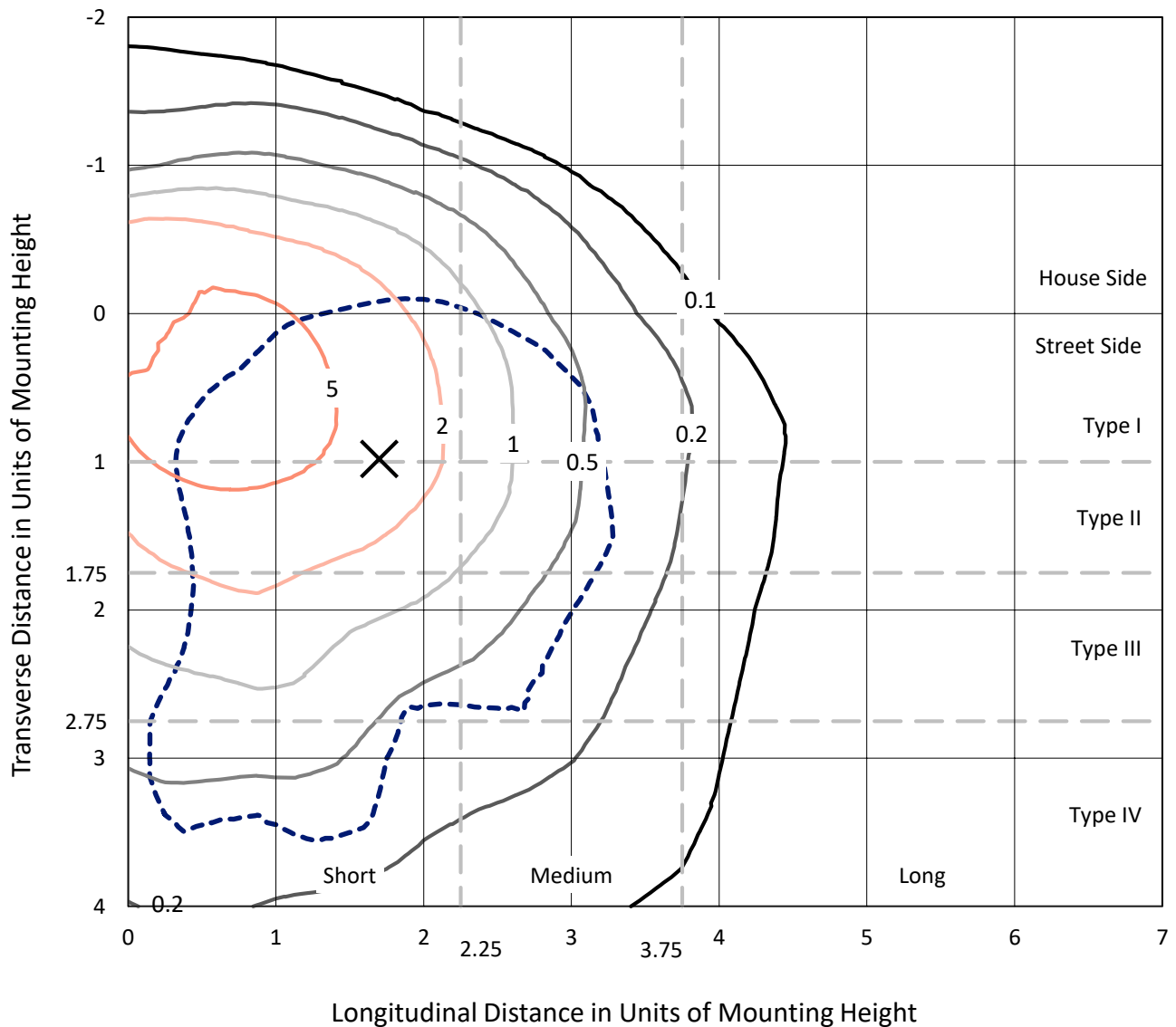
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

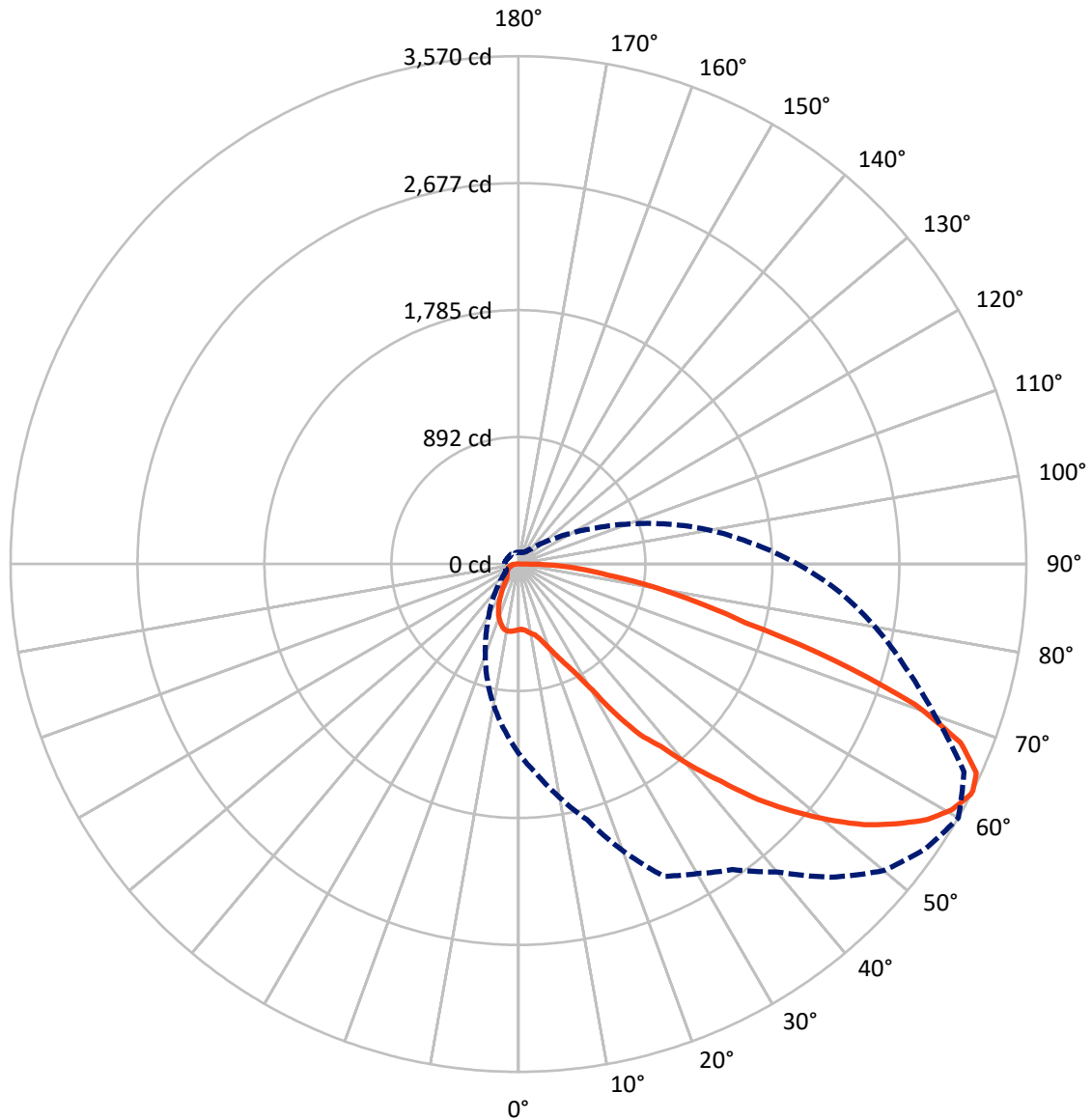
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 785.7    | 0.0    | 785.7  |
|                    | % Fixture | 20.9     | 0.0    | 20.9   |
| <b>Street Side</b> | Lumens    | 2967.6   | 0.0    | 2967.6 |
|                    | % Fixture | 79.1     | 0.0    | 79.1   |
| <b>Total</b>       | Lumens    | 3753.2   | 0.0    | 3753.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.3   | 1.2       |
| 10°-20°   | 141.3  | 3.8       |
| 20°-30°   | 249.9  | 6.7       |
| 30°-40°   | 394.5  | 10.5      |
| 40°-50°   | 580.1  | 15.5      |
| 50°-60°   | 764.1  | 20.4      |
| 60°-70°   | 851.7  | 22.7      |
| 70°-80°   | 559.6  | 14.9      |
| 80°-90°   | 166.9  | 4.4       |
| 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°    | 3753.2 | 100.0     |
| 0°-180°   | 3753.2 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P145953

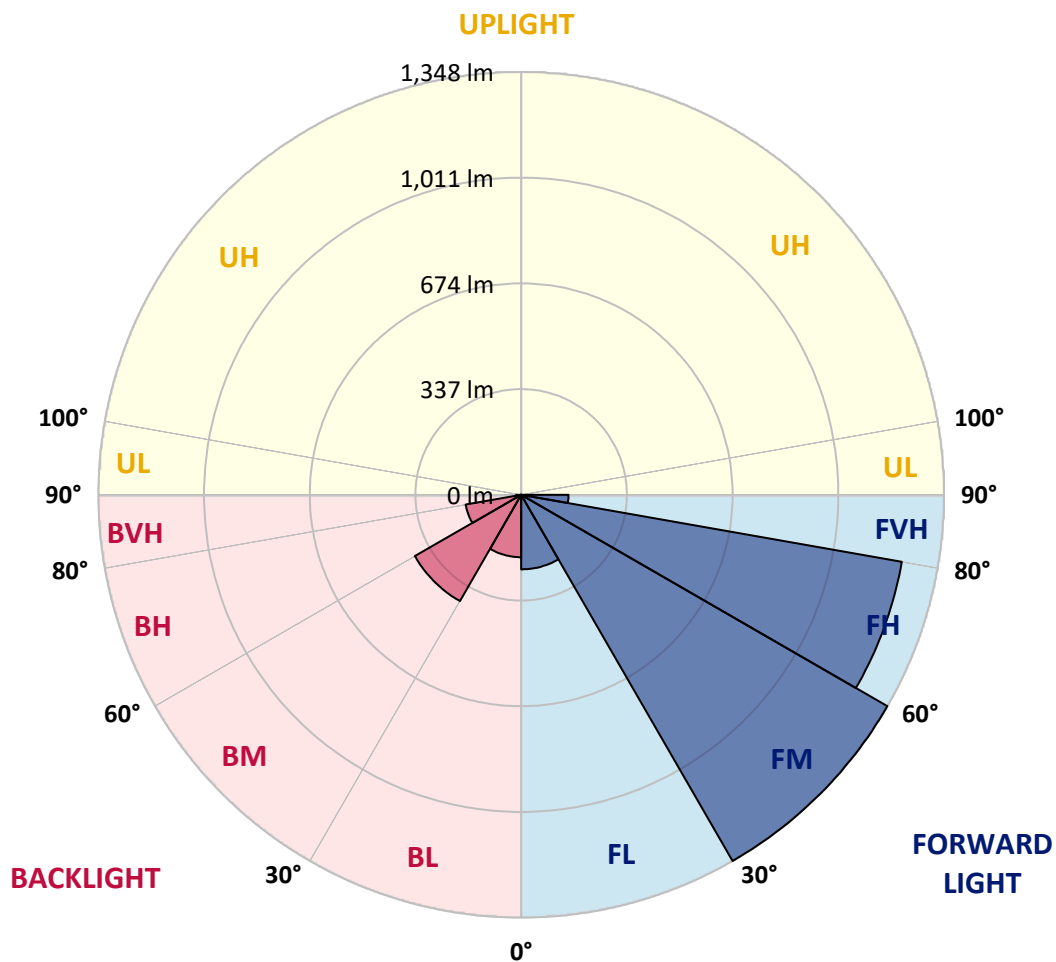
CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 237.6  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 1347.5 | 35.9      |                         |      |         |
| FH   | (60°-80°)   | 1231.7 | 32.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 150.8  | 4.0       |                         |      | G2/225  |
| BL   | (0°-30°)    | 198.9  | 5.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 391.2  | 10.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 179.6  | 4.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 16.1   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P145953

CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  |
| 2.5°  | 460.4  | 460.7  | 459.8  | 459.6  | 459.0  | 459.3  | 459.3  | 458.7  | 458.7  | 459.0  | 458.2  |
| 5°    | 458.2  | 458.7  | 458.5  | 459.0  | 459.6  | 460.4  | 461.2  | 462.1  | 462.9  | 464.0  | 464.3  |
| 7.5°  | 455.7  | 457.3  | 457.6  | 459.3  | 461.2  | 463.5  | 466.3  | 469.3  | 473.5  | 474.6  | 477.1  |
| 10°   | 457.1  | 460.1  | 461.8  | 465.1  | 468.2  | 472.4  | 477.4  | 480.5  | 485.8  | 487.7  | 491.3  |
| 12.5° | 467.9  | 470.2  | 472.4  | 476.3  | 480.7  | 486.0  | 491.6  | 496.4  | 501.9  | 503.9  | 505.3  |
| 15°   | 488.6  | 490.8  | 493.3  | 497.2  | 501.9  | 508.3  | 516.4  | 522.3  | 529.0  | 534.0  | 537.6  |
| 17.5° | 517.3  | 517.3  | 523.1  | 524.2  | 533.4  | 543.2  | 553.2  | 564.6  | 571.6  | 575.8  | 582.5  |
| 20°   | 558.5  | 558.5  | 566.3  | 569.9  | 577.7  | 590.3  | 603.9  | 616.5  | 626.5  | 634.9  | 641.0  |
| 22.5° | 629.8  | 626.8  | 633.5  | 632.6  | 642.1  | 660.8  | 674.2  | 681.1  | 694.5  | 699.5  | 707.6  |
| 25°   | 712.6  | 723.5  | 730.7  | 730.7  | 734.6  | 753.9  | 765.0  | 770.3  | 782.6  | 779.0  | 787.3  |
| 27.5° | 814.1  | 843.3  | 870.4  | 881.5  | 876.2  | 897.4  | 901.3  | 906.3  | 904.9  | 896.3  | 893.8  |
| 30°   | 913.8  | 965.4  | 1007.5 | 1033.1 | 1062.7 | 1103.6 | 1103.6 | 1110.3 | 1095.8 | 1071.9 | 1057.6 |
| 32.5° | 983.0  | 1049.3 | 1113.7 | 1166.9 | 1217.1 | 1279.8 | 1306.2 | 1343.0 | 1349.2 | 1358.4 | 1326.6 |
| 35°   | 1039.8 | 1132.9 | 1202.0 | 1282.0 | 1343.3 | 1406.8 | 1477.4 | 1541.2 | 1583.5 | 1576.6 | 1564.0 |
| 37.5° | 1078.8 | 1198.4 | 1294.8 | 1388.7 | 1482.1 | 1554.8 | 1621.7 | 1705.1 | 1786.2 | 1802.3 | 1768.3 |
| 40°   | 1106.1 | 1244.6 | 1377.3 | 1492.7 | 1610.0 | 1719.3 | 1800.6 | 1890.1 | 2017.2 | 2071.0 | 2043.1 |
| 42.5° | 1119.2 | 1280.9 | 1428.9 | 1575.7 | 1724.3 | 1862.2 | 1964.2 | 2086.9 | 2237.6 | 2329.6 | 2298.9 |
| 45°   | 1124.8 | 1303.2 | 1470.7 | 1637.9 | 1816.3 | 1986.5 | 2118.1 | 2257.1 | 2426.9 | 2574.6 | 2580.2 |
| 47.5° | 1123.4 | 1315.2 | 1499.4 | 1682.2 | 1888.4 | 2086.6 | 2263.0 | 2420.7 | 2613.0 | 2768.3 | 2826.0 |
| 50°   | 1119.5 | 1319.3 | 1516.7 | 1709.0 | 1933.9 | 2159.9 | 2358.6 | 2546.2 | 2761.0 | 2957.5 | 3045.3 |
| 52.5° | 1119.2 | 1320.2 | 1525.3 | 1723.7 | 1960.6 | 2204.7 | 2418.5 | 2640.1 | 2875.6 | 3081.0 | 3217.8 |
| 55°   | 1125.9 | 1325.2 | 1534.8 | 1734.0 | 1975.1 | 2230.1 | 2452.2 | 2698.9 | 2925.5 | 3158.7 | 3335.4 |
| 57.5° | 1153.0 | 1348.6 | 1557.3 | 1751.6 | 1991.3 | 2250.2 | 2478.4 | 2715.9 | 2940.2 | 3191.0 | 3403.7 |
| 60°   | 1212.3 | 1392.4 | 1596.6 | 1783.9 | 2033.4 | 2302.9 | 2503.2 | 2691.9 | 2912.4 | 3181.9 | 3413.4 |
| 62.5° | 1304.8 | 1462.6 | 1651.5 | 1843.6 | 2118.9 | 2402.9 | 2513.5 | 2637.0 | 2843.5 | 3128.9 | 3371.4 |
| 63°   | 1328.5 | 1481.3 | 1666.0 | 1860.0 | 2143.7 | 2421.9 | 2512.7 | 2622.5 | 2824.6 | 3113.3 | 3352.4 |
| 65°   | 1427.5 | 1567.7 | 1733.5 | 1938.6 | 2256.6 | 2482.1 | 2482.3 | 2537.2 | 2727.9 | 3027.2 | 3274.7 |
| 67.5° | 1576.3 | 1710.1 | 1838.3 | 2042.3 | 2381.4 | 2512.1 | 2392.3 | 2350.8 | 2519.4 | 2844.9 | 3077.3 |
| 70°   | 1675.5 | 1840.8 | 1912.7 | 2069.6 | 2398.4 | 2475.6 | 2249.9 | 2111.4 | 2251.3 | 2523.3 | 2729.8 |
| 72.5° | 1678.0 | 1866.4 | 1887.3 | 1953.1 | 2239.3 | 2301.2 | 2004.6 | 1817.1 | 1901.3 | 2129.5 | 2238.2 |
| 75°   | 1498.8 | 1735.7 | 1692.8 | 1668.5 | 1823.5 | 1850.0 | 1621.4 | 1543.4 | 1651.3 | 1786.2 | 1731.8 |
| 77.5° | 1114.2 | 1429.1 | 1341.9 | 1238.8 | 1295.1 | 1299.0 | 1306.2 | 1453.4 | 1585.8 | 1641.0 | 1561.8 |
| 80°   | 691.4  | 1049.8 | 983.0  | 813.0  | 834.7  | 898.8  | 1091.1 | 1351.1 | 1496.0 | 1535.6 | 1377.3 |
| 82.5° | 416.9  | 772.3  | 736.6  | 620.4  | 647.7  | 807.4  | 1020.0 | 1091.9 | 1140.7 | 1137.1 | 973.5  |
| 85°   | 305.4  | 524.5  | 573.0  | 581.6  | 678.6  | 784.0  | 779.5  | 726.3  | 696.5  | 612.8  | 523.1  |
| 87.5° | 96.1   | 270.6  | 321.1  | 374.3  | 410.0  | 387.9  | 381.5  | 329.7  | 236.1  | 199.5  | 219.3  |
| 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: P145953

CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  | 461.0  |
| 2.5°  | 458.2  | 459.3  | 459.8  | 459.6  | 459.8  | 459.8  | 461.5  | 461.0  | 461.5  | 461.2  | 462.9  |
| 5°    | 465.1  | 466.8  | 468.2  | 468.2  | 468.5  | 469.0  | 471.3  | 471.3  | 472.4  | 474.6  | 475.7  |
| 7.5°  | 478.8  | 481.0  | 481.3  | 481.9  | 483.5  | 482.7  | 484.1  | 484.6  | 485.5  | 486.6  | 488.0  |
| 10°   | 493.0  | 496.1  | 496.1  | 495.8  | 496.1  | 493.8  | 494.7  | 493.0  | 493.3  | 495.0  | 496.6  |
| 12.5° | 508.9  | 510.6  | 509.5  | 508.6  | 508.6  | 504.4  | 503.9  | 501.6  | 500.5  | 500.8  | 501.4  |
| 15°   | 540.7  | 539.3  | 539.0  | 537.6  | 532.6  | 529.5  | 527.3  | 520.3  | 516.7  | 514.7  | 511.4  |
| 17.5° | 583.0  | 583.9  | 582.5  | 581.1  | 573.8  | 563.5  | 559.1  | 551.5  | 546.5  | 541.5  | 535.4  |
| 20°   | 644.9  | 639.3  | 638.8  | 634.3  | 624.3  | 609.8  | 598.9  | 586.7  | 579.7  | 572.4  | 566.0  |
| 22.5° | 713.2  | 707.3  | 703.4  | 694.8  | 680.0  | 661.6  | 643.5  | 627.9  | 617.3  | 612.0  | 607.6  |
| 25°   | 789.0  | 785.6  | 779.2  | 757.2  | 745.5  | 724.3  | 704.5  | 689.2  | 677.2  | 672.8  | 665.0  |
| 27.5° | 879.8  | 882.3  | 870.4  | 849.7  | 835.0  | 805.1  | 788.1  | 761.7  | 751.6  | 735.5  | 725.4  |
| 30°   | 1045.4 | 1029.2 | 1008.9 | 977.4  | 947.6  | 907.4  | 879.3  | 851.7  | 836.9  | 815.2  | 788.4  |
| 32.5° | 1316.0 | 1254.4 | 1199.8 | 1132.9 | 1069.6 | 1018.3 | 977.7  | 942.8  | 920.2  | 884.3  | 838.9  |
| 35°   | 1534.2 | 1474.8 | 1384.6 | 1287.3 | 1204.2 | 1138.5 | 1087.2 | 1054.3 | 1009.2 | 951.7  | 886.0  |
| 37.5° | 1694.2 | 1625.9 | 1541.5 | 1467.0 | 1376.5 | 1303.2 | 1233.8 | 1165.5 | 1102.0 | 1015.0 | 931.1  |
| 40°   | 1953.9 | 1861.4 | 1722.3 | 1634.5 | 1560.4 | 1461.2 | 1396.3 | 1304.3 | 1207.6 | 1095.5 | 974.0  |
| 42.5° | 2210.9 | 2088.3 | 1962.3 | 1861.4 | 1756.1 | 1648.5 | 1559.3 | 1435.8 | 1307.4 | 1162.2 | 1012.5 |
| 45°   | 2509.4 | 2359.1 | 2194.4 | 2053.4 | 1945.3 | 1818.8 | 1704.5 | 1552.9 | 1389.0 | 1216.8 | 1045.9 |
| 47.5° | 2744.6 | 2595.8 | 2409.9 | 2267.7 | 2122.0 | 1979.3 | 1831.0 | 1644.0 | 1449.8 | 1261.4 | 1077.2 |
| 50°   | 2970.0 | 2826.5 | 2628.9 | 2454.5 | 2287.0 | 2114.7 | 1935.5 | 1708.7 | 1497.4 | 1296.2 | 1102.0 |
| 52.5° | 3172.4 | 3044.7 | 2831.3 | 2622.8 | 2435.5 | 2237.1 | 2015.0 | 1769.2 | 1543.1 | 1332.2 | 1121.5 |
| 55°   | 3343.8 | 3224.2 | 3032.8 | 2773.3 | 2560.6 | 2341.0 | 2089.9 | 1824.3 | 1591.3 | 1369.8 | 1135.7 |
| 57.5° | 3458.9 | 3389.8 | 3185.2 | 2905.7 | 2663.5 | 2429.7 | 2146.5 | 1879.8 | 1636.5 | 1393.2 | 1141.8 |
| 60°   | 3512.4 | 3503.2 | 3330.1 | 3025.2 | 2754.9 | 2498.8 | 2217.8 | 1938.6 | 1666.3 | 1403.8 | 1133.2 |
| 62.5° | 3501.2 | 3567.0 | 3440.5 | 3107.2 | 2813.1 | 2542.0 | 2263.6 | 1964.0 | 1658.8 | 1378.1 | 1095.0 |
| 63°   | 3490.9 | 3569.8 | 3456.1 | 3115.2 | 2817.9 | 2546.2 | 2268.0 | 1960.9 | 1651.8 | 1366.7 | 1081.9 |
| 65°   | 3415.4 | 3536.9 | 3460.0 | 3100.8 | 2796.1 | 2534.2 | 2247.9 | 1912.7 | 1582.4 | 1294.8 | 1007.8 |
| 67.5° | 3230.3 | 3352.1 | 3309.5 | 2941.1 | 2655.4 | 2405.4 | 2107.8 | 1748.5 | 1412.4 | 1142.1 | 870.4  |
| 70°   | 2848.3 | 2957.2 | 2906.2 | 2582.1 | 2316.8 | 2139.5 | 1856.7 | 1454.2 | 1150.7 | 918.0  | 662.5  |
| 72.5° | 2253.0 | 2329.6 | 2340.8 | 2083.2 | 1880.1 | 1773.6 | 1495.8 | 1096.9 | 840.5  | 639.3  | 430.0  |
| 75°   | 1668.3 | 1650.4 | 1654.1 | 1510.2 | 1427.5 | 1382.6 | 1118.1 | 752.5  | 566.3  | 390.7  | 255.0  |
| 77.5° | 1402.1 | 1273.9 | 1164.7 | 1124.8 | 1028.4 | 1000.5 | 737.4  | 461.8  | 330.5  | 233.8  | 145.2  |
| 80°   | 1140.1 | 945.9  | 787.0  | 716.5  | 678.9  | 684.5  | 408.0  | 246.1  | 173.1  | 127.4  | 90.9   |
| 82.5° | 779.5  | 631.8  | 498.3  | 432.8  | 426.1  | 432.5  | 212.1  | 120.7  | 91.4   | 73.3   | 57.1   |
| 85°   | 461.0  | 433.9  | 387.4  | 343.9  | 328.9  | 310.5  | 157.7  | 86.4   | 47.1   | 39.0   | 32.0   |
| 87.5° | 199.3  | 244.7  | 250.5  | 249.4  | 232.2  | 186.4  | 58.0   | 22.3   | 19.8   | 10.0   | 8.1    |
| 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: P145953

CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 |
| 2.5°  | 462.9 | 463.2 | 462.6 | 463.2 | 465.1 | 465.1 | 464.9 | 465.4 | 465.7 | 467.4 | 466.8 |
| 5°    | 476.8 | 477.1 | 477.4 | 479.4 | 480.7 | 482.4 | 481.9 | 482.4 | 483.5 | 483.8 | 484.4 |
| 7.5°  | 489.7 | 491.3 | 493.6 | 494.4 | 496.9 | 497.5 | 500.0 | 500.3 | 500.8 | 499.7 | 498.6 |
| 10°   | 498.6 | 500.3 | 503.0 | 504.4 | 508.9 | 509.5 | 511.4 | 512.0 | 513.1 | 512.2 | 511.4 |
| 12.5° | 503.0 | 504.4 | 507.5 | 510.3 | 516.4 | 518.4 | 521.7 | 523.7 | 525.1 | 524.2 | 521.4 |
| 15°   | 512.2 | 512.0 | 513.6 | 515.9 | 521.4 | 525.1 | 529.8 | 532.3 | 534.0 | 532.6 | 529.0 |
| 17.5° | 533.4 | 529.5 | 529.5 | 528.1 | 532.3 | 533.1 | 535.1 | 536.5 | 535.9 | 531.7 | 525.9 |
| 20°   | 562.7 | 556.8 | 553.2 | 549.9 | 548.5 | 541.5 | 537.9 | 532.9 | 528.4 | 520.9 | 514.2 |
| 22.5° | 600.6 | 596.4 | 588.0 | 580.5 | 569.9 | 555.7 | 540.4 | 527.3 | 517.5 | 507.2 | 495.8 |
| 25°   | 658.0 | 648.5 | 636.5 | 618.7 | 605.0 | 580.0 | 554.3 | 529.5 | 508.6 | 492.5 | 473.2 |
| 27.5° | 712.1 | 692.0 | 669.4 | 641.6 | 616.5 | 583.0 | 550.4 | 521.7 | 494.4 | 468.5 | 446.5 |
| 30°   | 757.2 | 722.4 | 685.6 | 646.6 | 610.9 | 570.5 | 532.6 | 500.0 | 469.0 | 438.4 | 417.5 |
| 32.5° | 791.2 | 741.0 | 692.0 | 642.1 | 598.1 | 550.7 | 507.2 | 472.4 | 437.3 | 404.9 | 380.7 |
| 35°   | 821.9 | 754.1 | 690.0 | 630.1 | 578.0 | 525.6 | 478.8 | 439.8 | 401.3 | 366.8 | 338.9 |
| 37.5° | 843.9 | 758.6 | 681.7 | 612.8 | 552.4 | 495.0 | 444.2 | 402.7 | 361.5 | 326.4 | 295.7 |
| 40°   | 860.9 | 756.4 | 665.8 | 586.4 | 517.3 | 457.6 | 408.0 | 364.5 | 323.3 | 288.2 | 256.1 |
| 42.5° | 872.3 | 748.0 | 641.8 | 556.3 | 488.0 | 425.6 | 377.1 | 331.4 | 290.1 | 253.3 | 217.9 |
| 45°   | 887.1 | 744.7 | 627.1 | 533.7 | 461.5 | 398.5 | 346.7 | 302.1 | 259.2 | 220.7 | 187.0 |
| 47.5° | 901.0 | 742.7 | 615.1 | 515.0 | 437.5 | 374.0 | 322.7 | 275.9 | 232.7 | 195.1 | 164.4 |
| 50°   | 909.4 | 739.7 | 602.5 | 492.5 | 410.8 | 348.9 | 299.9 | 252.5 | 209.0 | 173.1 | 145.8 |
| 52.5° | 911.9 | 733.5 | 586.1 | 466.8 | 387.7 | 327.5 | 276.5 | 229.1 | 187.3 | 155.0 | 129.6 |
| 55°   | 909.9 | 721.5 | 563.8 | 445.9 | 364.0 | 303.8 | 252.8 | 206.8 | 168.9 | 138.5 | 118.2 |
| 57.5° | 900.5 | 697.6 | 535.1 | 419.4 | 336.9 | 274.0 | 223.8 | 181.7 | 148.0 | 123.7 | 108.1 |
| 60°   | 879.3 | 663.0 | 500.0 | 382.4 | 298.2 | 238.6 | 191.2 | 155.0 | 126.5 | 109.0 | 98.7  |
| 62.5° | 833.0 | 613.1 | 449.0 | 330.0 | 246.4 | 191.5 | 150.2 | 123.5 | 104.2 | 95.0  | 88.9  |
| 63°   | 819.4 | 595.8 | 433.9 | 316.0 | 237.4 | 180.9 | 141.0 | 116.8 | 99.5  | 92.0  | 87.0  |
| 65°   | 747.5 | 516.1 | 366.8 | 254.2 | 183.9 | 137.1 | 107.6 | 91.7  | 82.5  | 79.7  | 78.3  |
| 67.5° | 612.6 | 401.6 | 258.1 | 170.6 | 123.5 | 94.8  | 79.4  | 73.3  | 70.0  | 69.7  | 70.5  |
| 70°   | 432.8 | 266.4 | 159.7 | 109.2 | 85.0  | 71.6  | 65.8  | 63.0  | 61.3  | 61.9  | 63.5  |
| 72.5° | 281.5 | 156.3 | 100.9 | 80.0  | 69.1  | 63.0  | 58.8  | 58.0  | 57.4  | 56.9  | 57.4  |
| 75°   | 148.8 | 97.8  | 76.4  | 66.9  | 60.5  | 55.5  | 52.7  | 51.6  | 51.8  | 51.8  | 51.8  |
| 77.5° | 92.2  | 74.4  | 65.2  | 59.1  | 54.1  | 49.1  | 46.3  | 45.4  | 45.7  | 46.3  | 46.5  |
| 80°   | 70.8  | 64.9  | 57.4  | 53.0  | 45.7  | 41.5  | 40.1  | 39.9  | 40.4  | 40.4  | 41.2  |
| 82.5° | 51.8  | 50.2  | 47.4  | 41.8  | 36.2  | 33.4  | 33.2  | 34.3  | 33.2  | 32.9  | 33.4  |
| 85°   | 30.4  | 28.4  | 30.9  | 26.5  | 24.2  | 22.6  | 23.7  | 25.9  | 27.0  | 25.6  | 25.1  |
| 87.5° | 9.8   | 6.7   | 9.8   | 10.9  | 9.8   | 8.4   | 10.6  | 12.5  | 12.8  | 12.3  | 13.9  |
| 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: P145953

CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 |
| 2.5°  | 466.5 | 468.5 | 466.5 | 467.4 | 467.1 | 466.5 | 467.4 | 466.3 | 465.7 | 467.4 | 467.1 |
| 5°    | 484.1 | 484.4 | 481.9 | 482.1 | 481.9 | 479.6 | 479.6 | 478.5 | 477.1 | 477.4 | 476.8 |
| 7.5°  | 498.3 | 497.7 | 495.8 | 495.0 | 492.5 | 490.8 | 489.7 | 488.0 | 486.9 | 485.8 | 485.2 |
| 10°   | 509.2 | 507.8 | 506.4 | 503.9 | 501.4 | 500.0 | 496.9 | 494.4 | 493.6 | 491.9 | 490.8 |
| 12.5° | 518.6 | 516.1 | 513.9 | 510.8 | 507.8 | 505.6 | 501.9 | 500.0 | 498.6 | 496.4 | 494.7 |
| 15°   | 523.9 | 519.2 | 515.0 | 510.3 | 506.9 | 503.6 | 499.4 | 498.6 | 496.6 | 494.4 | 491.3 |
| 17.5° | 517.5 | 510.8 | 503.0 | 498.0 | 493.0 | 488.0 | 483.8 | 483.8 | 483.0 | 480.5 | 475.2 |
| 20°   | 504.4 | 494.4 | 485.2 | 477.1 | 472.1 | 464.9 | 462.4 | 458.5 | 455.7 | 451.2 | 444.5 |
| 22.5° | 483.0 | 472.4 | 460.4 | 452.3 | 443.7 | 435.6 | 430.6 | 424.5 | 422.2 | 415.0 | 406.1 |
| 25°   | 459.0 | 443.7 | 430.9 | 420.3 | 408.3 | 398.8 | 391.8 | 383.5 | 377.9 | 370.9 | 359.8 |
| 27.5° | 430.6 | 414.7 | 400.2 | 388.5 | 376.0 | 362.9 | 350.0 | 340.3 | 330.3 | 322.2 | 315.8 |
| 30°   | 399.9 | 383.5 | 365.6 | 352.0 | 337.5 | 321.1 | 310.5 | 297.4 | 289.6 | 280.6 | 272.3 |
| 32.5° | 359.8 | 345.3 | 324.4 | 308.5 | 290.7 | 277.9 | 269.2 | 256.7 | 247.5 | 240.0 | 235.2 |
| 35°   | 315.8 | 294.0 | 273.1 | 261.1 | 248.9 | 238.6 | 226.6 | 216.8 | 210.7 | 202.9 | 198.7 |
| 37.5° | 267.8 | 242.5 | 224.6 | 214.0 | 201.5 | 196.5 | 189.0 | 183.1 | 177.5 | 172.2 | 168.9 |
| 40°   | 224.9 | 201.5 | 185.3 | 176.4 | 168.1 | 162.5 | 157.7 | 155.2 | 151.6 | 147.4 | 144.9 |
| 42.5° | 189.2 | 170.6 | 154.7 | 146.3 | 139.9 | 139.3 | 136.3 | 134.3 | 132.9 | 130.4 | 126.5 |
| 45°   | 161.4 | 144.4 | 130.7 | 124.0 | 121.2 | 121.5 | 121.5 | 119.8 | 119.8 | 119.0 | 116.5 |
| 47.5° | 142.7 | 127.4 | 117.3 | 112.9 | 111.8 | 112.0 | 111.2 | 110.6 | 110.9 | 110.6 | 109.2 |
| 50°   | 128.2 | 115.1 | 106.7 | 105.1 | 104.8 | 104.5 | 103.4 | 102.6 | 102.3 | 102.8 | 102.6 |
| 52.5° | 113.4 | 102.6 | 97.8  | 97.3  | 97.5  | 97.5  | 97.3  | 97.0  | 97.5  | 98.1  | 97.3  |
| 55°   | 105.1 | 97.3  | 94.2  | 94.2  | 94.2  | 94.2  | 93.9  | 93.6  | 94.5  | 95.3  | 93.9  |
| 57.5° | 97.3  | 91.7  | 90.6  | 90.6  | 90.6  | 90.0  | 90.0  | 90.3  | 91.4  | 93.1  | 91.4  |
| 60°   | 91.4  | 88.6  | 88.6  | 88.9  | 88.6  | 87.5  | 86.7  | 86.7  | 88.1  | 90.3  | 88.9  |
| 62.5° | 85.8  | 84.4  | 85.0  | 84.7  | 84.2  | 82.8  | 81.7  | 81.7  | 83.3  | 85.6  | 86.1  |
| 63°   | 84.4  | 83.3  | 83.9  | 83.6  | 83.1  | 81.9  | 80.8  | 80.8  | 82.2  | 84.4  | 85.3  |
| 65°   | 78.3  | 78.6  | 78.9  | 79.1  | 78.9  | 78.6  | 77.2  | 76.6  | 77.8  | 79.4  | 80.5  |
| 67.5° | 71.1  | 71.6  | 72.2  | 73.6  | 73.0  | 73.0  | 72.2  | 71.6  | 71.9  | 72.7  | 73.6  |
| 70°   | 64.4  | 64.9  | 65.8  | 66.3  | 66.6  | 66.9  | 66.3  | 65.5  | 65.8  | 66.1  | 66.6  |
| 72.5° | 58.0  | 58.5  | 59.1  | 60.2  | 60.2  | 60.2  | 59.6  | 59.1  | 59.4  | 59.9  | 60.5  |
| 75°   | 52.1  | 52.4  | 53.0  | 53.8  | 54.1  | 53.5  | 53.5  | 53.0  | 53.2  | 54.1  | 54.6  |
| 77.5° | 46.3  | 45.7  | 46.0  | 46.5  | 47.4  | 47.4  | 47.7  | 47.4  | 47.9  | 48.5  | 49.1  |
| 80°   | 39.6  | 39.0  | 38.5  | 38.7  | 39.9  | 41.2  | 42.6  | 42.6  | 43.5  | 43.8  | 44.6  |
| 82.5° | 31.5  | 30.9  | 30.7  | 31.5  | 31.2  | 33.2  | 36.2  | 37.9  | 39.0  | 40.1  | 40.7  |
| 85°   | 24.5  | 23.1  | 23.7  | 23.7  | 23.1  | 26.2  | 29.0  | 31.2  | 31.5  | 33.2  | 33.4  |
| 87.5° | 14.5  | 13.9  | 13.4  | 12.8  | 14.8  | 17.8  | 20.3  | 21.2  | 21.7  | 22.6  | 23.4  |
| 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: P145953

CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 |
| 2.5°  | 464.9 | 467.1 | 466.5 | 466.3 | 466.5 | 466.3 | 465.4 | 465.7 | 465.1 | 465.4 | 464.9 |
| 5°    | 473.8 | 474.9 | 474.1 | 472.7 | 472.7 | 470.7 | 469.3 | 468.2 | 466.8 | 466.3 | 465.1 |
| 7.5°  | 482.4 | 481.6 | 480.5 | 478.0 | 476.6 | 474.1 | 472.1 | 469.9 | 468.5 | 466.8 | 464.9 |
| 10°   | 487.7 | 486.0 | 483.8 | 480.7 | 476.8 | 474.6 | 471.8 | 468.5 | 466.8 | 466.0 | 464.0 |
| 12.5° | 490.2 | 485.8 | 482.1 | 476.6 | 471.0 | 466.8 | 463.7 | 460.4 | 459.6 | 458.5 | 457.1 |
| 15°   | 484.4 | 478.0 | 468.8 | 461.2 | 454.0 | 448.1 | 445.6 | 442.0 | 441.2 | 440.9 | 440.6 |
| 17.5° | 464.6 | 454.8 | 445.9 | 435.9 | 429.5 | 424.2 | 421.9 | 421.1 | 419.7 | 419.2 | 419.4 |
| 20°   | 432.8 | 424.5 | 415.5 | 412.2 | 404.7 | 403.3 | 399.9 | 397.7 | 395.2 | 394.4 | 393.0 |
| 22.5° | 395.7 | 385.4 | 379.9 | 377.4 | 374.3 | 367.0 | 365.4 | 363.1 | 359.8 | 357.3 | 356.7 |
| 25°   | 352.5 | 344.2 | 343.9 | 338.1 | 335.5 | 331.6 | 327.2 | 324.4 | 322.4 | 319.4 | 317.2 |
| 27.5° | 308.5 | 305.4 | 300.2 | 295.7 | 294.0 | 291.8 | 285.1 | 283.7 | 281.5 | 279.0 | 276.5 |
| 30°   | 267.5 | 265.3 | 260.3 | 256.1 | 253.6 | 249.2 | 242.7 | 243.3 | 238.8 | 235.5 | 233.3 |
| 32.5° | 227.7 | 226.0 | 221.3 | 220.2 | 212.1 | 209.9 | 203.2 | 198.2 | 193.7 | 190.3 | 187.6 |
| 35°   | 191.7 | 187.3 | 187.6 | 182.5 | 178.1 | 171.4 | 164.4 | 158.0 | 154.4 | 152.7 | 150.2 |
| 37.5° | 165.8 | 161.6 | 157.5 | 151.9 | 146.9 | 142.1 | 138.0 | 136.0 | 133.8 | 134.3 | 134.6 |
| 40°   | 142.4 | 139.3 | 136.3 | 132.4 | 129.3 | 127.4 | 126.2 | 126.2 | 126.5 | 127.9 | 129.0 |
| 42.5° | 125.7 | 123.2 | 121.5 | 120.1 | 120.7 | 120.7 | 121.5 | 122.9 | 124.3 | 126.2 | 127.4 |
| 45°   | 114.5 | 113.1 | 112.6 | 113.1 | 114.8 | 116.2 | 118.2 | 120.4 | 122.6 | 124.6 | 125.4 |
| 47.5° | 107.9 | 107.0 | 107.0 | 108.4 | 110.9 | 113.1 | 116.2 | 118.4 | 121.0 | 122.6 | 123.2 |
| 50°   | 100.6 | 100.3 | 100.3 | 101.4 | 103.7 | 106.5 | 109.5 | 111.8 | 114.0 | 115.4 | 115.9 |
| 52.5° | 96.4  | 95.6  | 95.3  | 96.7  | 98.7  | 101.4 | 104.5 | 106.7 | 108.4 | 109.5 | 109.8 |
| 55°   | 92.8  | 92.0  | 91.4  | 93.1  | 95.3  | 97.8  | 101.4 | 104.0 | 105.6 | 107.0 | 108.1 |
| 57.5° | 89.7  | 88.9  | 88.3  | 90.3  | 92.5  | 95.6  | 98.7  | 101.4 | 103.7 | 105.3 | 106.5 |
| 60°   | 87.2  | 86.1  | 85.6  | 87.8  | 90.0  | 93.1  | 96.1  | 99.2  | 102.3 | 104.2 | 104.8 |
| 62.5° | 84.2  | 83.3  | 82.5  | 83.9  | 85.0  | 87.2  | 90.0  | 93.1  | 95.9  | 97.8  | 97.8  |
| 63°   | 83.3  | 83.1  | 81.9  | 83.1  | 84.2  | 86.1  | 88.9  | 91.7  | 94.5  | 96.7  | 96.4  |
| 65°   | 79.7  | 79.7  | 79.1  | 80.3  | 81.4  | 83.3  | 85.6  | 88.6  | 91.1  | 92.8  | 93.1  |
| 67.5° | 73.9  | 74.1  | 74.7  | 75.8  | 78.0  | 80.0  | 82.5  | 85.3  | 87.5  | 88.6  | 89.2  |
| 70°   | 67.2  | 67.7  | 68.8  | 70.5  | 72.5  | 74.1  | 75.8  | 78.6  | 80.5  | 81.7  | 82.2  |
| 72.5° | 60.8  | 62.1  | 63.0  | 64.4  | 65.5  | 67.2  | 68.6  | 71.3  | 73.0  | 73.9  | 75.2  |
| 75°   | 54.9  | 56.0  | 56.6  | 57.4  | 58.5  | 59.1  | 60.8  | 61.9  | 64.1  | 65.2  | 66.9  |
| 77.5° | 49.3  | 49.9  | 50.7  | 52.1  | 52.4  | 53.2  | 53.8  | 55.5  | 56.6  | 57.7  | 59.1  |
| 80°   | 44.3  | 44.9  | 46.0  | 46.8  | 47.1  | 47.7  | 47.9  | 47.7  | 47.4  | 46.5  | 47.7  |
| 82.5° | 39.9  | 40.4  | 41.8  | 42.6  | 43.5  | 43.5  | 43.2  | 40.1  | 38.7  | 39.3  | 40.1  |
| 85°   | 32.9  | 33.4  | 34.8  | 36.5  | 36.8  | 36.5  | 36.8  | 33.7  | 31.8  | 30.9  | 31.8  |
| 87.5° | 20.6  | 20.1  | 24.8  | 27.0  | 25.4  | 25.9  | 26.2  | 24.5  | 22.9  | 19.5  | 20.3  |
| 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: P145953  
 CATALOG NUMBER: OVH-F02-LED-E-U-SLL-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 461.0 | 0°    |
| 2.5°  | 465.4 | 463.5 | 463.7 | 464.3 | 464.3 | 465.1 | 464.0 | 462.6 | 463.5 | 462.1 | 461.8 | 2.5°  |
| 5°    | 465.1 | 462.6 | 462.6 | 463.2 | 462.6 | 463.2 | 462.4 | 461.0 | 461.8 | 460.1 | 459.8 | 5°    |
| 7.5°  | 464.0 | 462.6 | 463.2 | 463.7 | 462.9 | 463.2 | 462.9 | 461.0 | 461.2 | 460.4 | 458.5 | 7.5°  |
| 10°   | 463.5 | 462.6 | 463.7 | 465.4 | 465.4 | 465.7 | 464.9 | 462.6 | 461.2 | 460.4 | 458.7 | 10°   |
| 12.5° | 457.6 | 458.7 | 461.0 | 464.9 | 466.3 | 468.5 | 469.6 | 468.5 | 469.0 | 467.9 | 467.4 | 12.5° |
| 15°   | 440.9 | 443.7 | 447.3 | 453.2 | 457.3 | 462.4 | 468.5 | 471.3 | 476.6 | 480.7 | 483.5 | 15°   |
| 17.5° | 420.8 | 422.8 | 426.7 | 433.4 | 438.7 | 448.7 | 457.1 | 466.5 | 476.8 | 488.0 | 497.7 | 17.5° |
| 20°   | 396.0 | 394.6 | 400.8 | 408.0 | 417.2 | 428.4 | 440.6 | 454.8 | 471.8 | 489.7 | 506.7 | 20°   |
| 22.5° | 359.5 | 359.5 | 365.9 | 374.6 | 385.7 | 398.5 | 415.5 | 430.9 | 453.2 | 479.1 | 504.2 | 22.5° |
| 25°   | 317.7 | 318.5 | 323.0 | 332.8 | 340.6 | 359.0 | 374.8 | 394.6 | 421.4 | 449.8 | 483.3 | 25°   |
| 27.5° | 273.1 | 278.7 | 277.6 | 287.9 | 298.2 | 316.3 | 338.1 | 358.1 | 387.9 | 418.3 | 456.5 | 27.5° |
| 30°   | 232.7 | 231.9 | 231.6 | 243.9 | 254.2 | 270.6 | 288.4 | 313.8 | 343.9 | 382.9 | 427.0 | 30°   |
| 32.5° | 182.5 | 185.6 | 187.8 | 195.1 | 206.2 | 221.6 | 240.8 | 267.3 | 303.5 | 342.8 | 392.4 | 32.5° |
| 35°   | 150.8 | 151.6 | 154.7 | 158.9 | 168.6 | 181.4 | 201.5 | 224.9 | 256.7 | 297.4 | 350.0 | 35°   |
| 37.5° | 135.2 | 136.0 | 139.3 | 143.2 | 150.2 | 159.7 | 173.3 | 191.5 | 220.7 | 258.6 | 307.7 | 37.5° |
| 40°   | 130.2 | 131.0 | 132.9 | 136.6 | 143.0 | 151.1 | 161.9 | 175.9 | 197.0 | 226.6 | 269.5 | 40°   |
| 42.5° | 127.9 | 127.9 | 128.2 | 131.0 | 137.4 | 146.9 | 158.6 | 171.1 | 186.7 | 209.0 | 243.9 | 42.5° |
| 45°   | 125.4 | 125.4 | 125.1 | 127.1 | 132.1 | 143.0 | 157.2 | 172.5 | 189.5 | 208.7 | 236.1 | 45°   |
| 47.5° | 123.2 | 122.6 | 122.1 | 122.9 | 127.1 | 138.2 | 154.7 | 173.3 | 195.1 | 219.1 | 246.6 | 47.5° |
| 50°   | 115.4 | 115.4 | 115.1 | 115.4 | 119.3 | 131.0 | 149.9 | 172.5 | 200.1 | 231.0 | 264.5 | 50°   |
| 52.5° | 109.8 | 110.1 | 110.4 | 110.4 | 113.4 | 125.4 | 146.3 | 172.8 | 205.7 | 242.7 | 285.1 | 52.5° |
| 55°   | 108.4 | 109.0 | 109.0 | 108.4 | 110.9 | 121.8 | 143.0 | 172.0 | 209.6 | 255.8 | 307.1 | 55°   |
| 57.5° | 106.7 | 107.0 | 107.3 | 106.7 | 108.4 | 117.9 | 138.2 | 168.1 | 208.5 | 260.9 | 323.6 | 57.5° |
| 60°   | 104.5 | 103.4 | 103.1 | 102.3 | 103.4 | 110.9 | 129.9 | 159.7 | 201.8 | 258.6 | 329.1 | 60°   |
| 62.5° | 98.4  | 97.5  | 96.7  | 95.9  | 96.7  | 102.3 | 120.7 | 149.4 | 190.6 | 249.7 | 324.7 | 62.5° |
| 63°   | 97.0  | 96.4  | 95.6  | 94.8  | 94.8  | 100.9 | 117.6 | 146.9 | 187.8 | 247.2 | 323.0 | 63°   |
| 65°   | 93.1  | 92.8  | 92.2  | 91.4  | 91.1  | 95.9  | 110.6 | 135.4 | 174.7 | 236.1 | 312.4 | 65°   |
| 67.5° | 88.6  | 88.6  | 88.3  | 87.2  | 85.8  | 88.6  | 98.9  | 118.4 | 151.9 | 207.3 | 286.2 | 67.5° |
| 70°   | 82.2  | 82.2  | 81.9  | 81.4  | 79.7  | 81.7  | 88.3  | 101.2 | 125.1 | 169.4 | 240.0 | 70°   |
| 72.5° | 75.8  | 75.8  | 76.6  | 76.4  | 76.6  | 76.9  | 80.3  | 87.2  | 101.7 | 131.8 | 181.4 | 72.5° |
| 75°   | 67.4  | 68.8  | 69.1  | 69.7  | 70.0  | 69.7  | 71.3  | 75.5  | 83.9  | 101.2 | 132.4 | 75°   |
| 77.5° | 60.5  | 62.4  | 62.1  | 61.6  | 61.3  | 61.6  | 61.3  | 63.3  | 69.4  | 80.3  | 98.1  | 77.5° |
| 80°   | 49.9  | 51.8  | 51.8  | 51.6  | 51.0  | 51.6  | 51.0  | 53.0  | 58.0  | 67.4  | 78.0  | 80°   |
| 82.5° | 41.0  | 42.4  | 43.2  | 43.8  | 43.2  | 45.4  | 45.4  | 44.9  | 48.8  | 57.1  | 65.8  | 82.5° |
| 85°   | 32.9  | 34.3  | 35.1  | 36.2  | 36.8  | 36.2  | 36.0  | 35.4  | 37.6  | 44.3  | 50.2  | 85°   |
| 87.5° | 20.9  | 22.0  | 22.0  | 22.3  | 22.3  | 23.1  | 21.5  | 19.5  | 17.8  | 25.4  | 26.5  | 87.5° |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 90°   |



NUMBER: P145953

NUMBER: OVH-F02-LED-E-U-SLL-8030

**DISTRIBUTION (continued):**

| 330°  | 335°  | 340°  | 345°  | 350°   | 355°   | 360°   |
|-------|-------|-------|-------|--------|--------|--------|
| 461.0 | 461.0 | 461.0 | 461.0 | 461.0  | 461.0  | 461.0  |
| 461.0 | 461.0 | 461.2 | 460.4 | 461.2  | 461.2  | 460.4  |
| 459.0 | 458.5 | 458.5 | 458.2 | 458.7  | 458.5  | 458.2  |
| 457.3 | 457.3 | 456.2 | 455.4 | 455.1  | 456.2  | 455.7  |
| 456.8 | 456.2 | 455.9 | 455.4 | 455.7  | 456.5  | 457.1  |
| 466.8 | 464.9 | 465.4 | 465.1 | 465.4  | 466.3  | 467.9  |
| 485.2 | 485.2 | 486.6 | 483.5 | 484.9  | 486.3  | 488.6  |
| 505.8 | 510.8 | 513.4 | 513.1 | 513.6  | 514.7  | 517.3  |
| 523.4 | 539.3 | 550.4 | 553.2 | 560.7  | 562.4  | 558.5  |
| 531.2 | 559.6 | 584.7 | 601.4 | 620.1  | 627.6  | 629.8  |
| 515.3 | 556.3 | 597.5 | 636.0 | 672.8  | 693.9  | 712.6  |
| 498.9 | 547.4 | 602.3 | 659.7 | 719.6  | 773.7  | 814.1  |
| 476.0 | 540.1 | 614.2 | 691.7 | 771.1  | 846.4  | 913.8  |
| 450.9 | 528.4 | 615.4 | 709.6 | 807.7  | 901.3  | 983.0  |
| 415.0 | 501.1 | 597.5 | 706.8 | 820.5  | 937.8  | 1039.8 |
| 373.7 | 457.6 | 565.7 | 690.6 | 819.6  | 956.5  | 1078.8 |
| 329.7 | 415.5 | 529.2 | 663.0 | 808.8  | 962.3  | 1106.1 |
| 296.5 | 381.5 | 493.0 | 636.8 | 792.6  | 958.4  | 1119.2 |
| 279.5 | 352.3 | 463.5 | 611.2 | 774.5  | 949.0  | 1124.8 |
| 282.9 | 344.5 | 445.9 | 590.0 | 758.3  | 938.6  | 1123.4 |
| 301.5 | 356.2 | 445.6 | 582.2 | 748.0  | 929.2  | 1119.5 |
| 329.7 | 382.6 | 461.8 | 591.4 | 753.6  | 928.3  | 1119.2 |
| 361.5 | 419.7 | 500.8 | 616.2 | 777.3  | 943.4  | 1125.9 |
| 392.1 | 464.9 | 551.0 | 671.7 | 822.1  | 981.0  | 1153.0 |
| 410.2 | 506.1 | 615.4 | 750.0 | 891.3  | 1047.1 | 1212.3 |
| 414.4 | 530.9 | 672.5 | 826.9 | 986.0  | 1142.6 | 1304.8 |
| 414.1 | 533.4 | 682.2 | 842.8 | 1005.3 | 1164.7 | 1328.5 |
| 407.7 | 538.4 | 708.4 | 895.2 | 1082.4 | 1259.1 | 1427.5 |
| 387.7 | 529.5 | 722.9 | 943.9 | 1159.1 | 1363.4 | 1576.3 |
| 341.7 | 488.8 | 705.9 | 959.8 | 1204.8 | 1432.5 | 1675.5 |
| 267.5 | 403.3 | 609.5 | 877.3 | 1142.9 | 1370.6 | 1678.0 |
| 188.1 | 285.1 | 469.0 | 720.4 | 934.2  | 1158.3 | 1498.8 |
| 131.0 | 184.8 | 304.6 | 484.6 | 674.2  | 845.0  | 1114.2 |
| 95.9  | 122.9 | 182.5 | 289.8 | 409.1  | 528.1  | 691.4  |
| 73.9  | 88.6  | 116.8 | 175.0 | 231.0  | 295.7  | 416.9  |
| 51.8  | 58.5  | 72.2  | 108.1 | 155.0  | 211.5  | 305.4  |
| 22.6  | 26.5  | 34.8  | 63.8  | 104.8  | 100.9  | 96.1   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)