

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: P162184

Luminaire Tested: **OVF-F04-LED-E-U-T3-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162184  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33695)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-F04-LED-E-U-T3-7060  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (28) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10116.8 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 102.2  
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

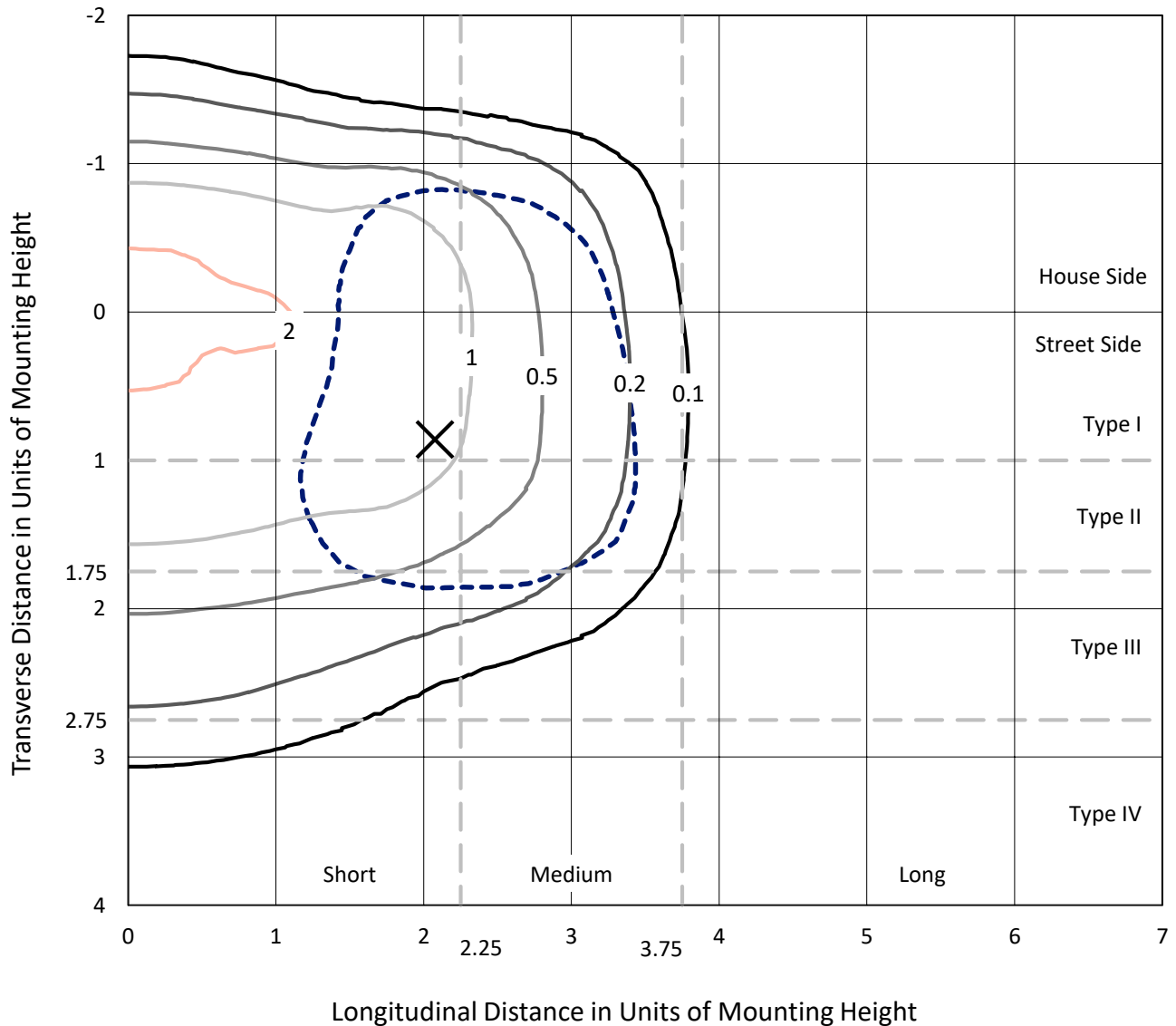


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

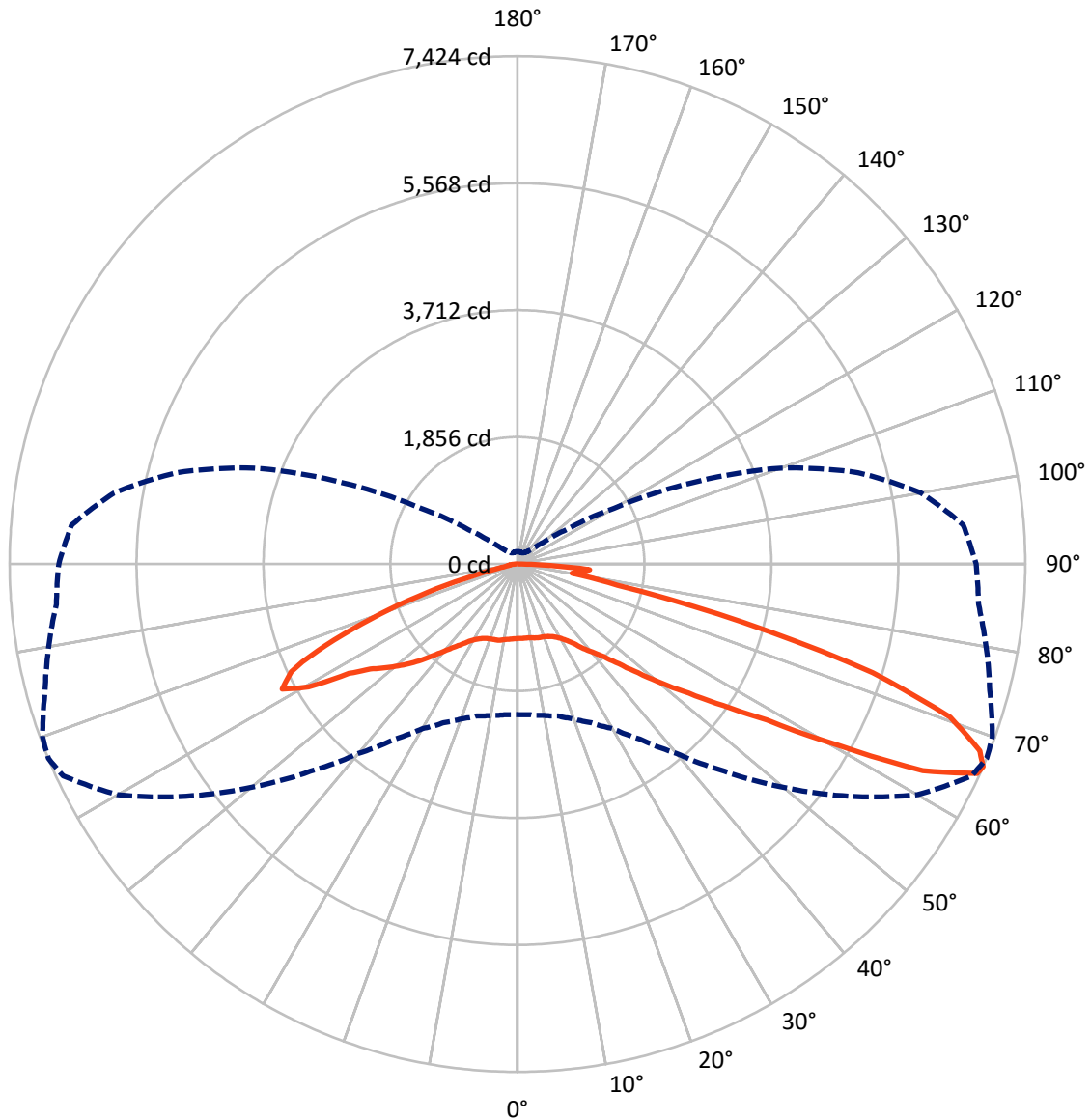


Based on 20 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Short - Semi-Cutoff

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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   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3437.0   | 0.0    | 3437.0  |
|                    | % Fixture | 34.0     | 0.0    | 34.0    |
| <b>Street Side</b> | Lumens    | 6679.8   | 0.0    | 6679.8  |
|                    | % Fixture | 66.0     | 0.0    | 66.0    |
| <b>Total</b>       | Lumens    | 10116.8  | 0.0    | 10116.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 104.6   | 1.0       |
| 10°-20°   | 310.0   | 3.1       |
| 20°-30°   | 532.9   | 5.3       |
| 30°-40°   | 857.1   | 8.5       |
| 40°-50°   | 1412.6  | 14.0      |
| 50°-60°   | 2214.3  | 21.9      |
| 60°-70°   | 3064.5  | 30.3      |
| 70°-80°   | 1386.8  | 13.7      |
| 80°-90°   | 234.0   | 2.3       |
| 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°    | 10116.8 | 100.0     |
| 0°-180°   | 10116.8 | 100.0     |



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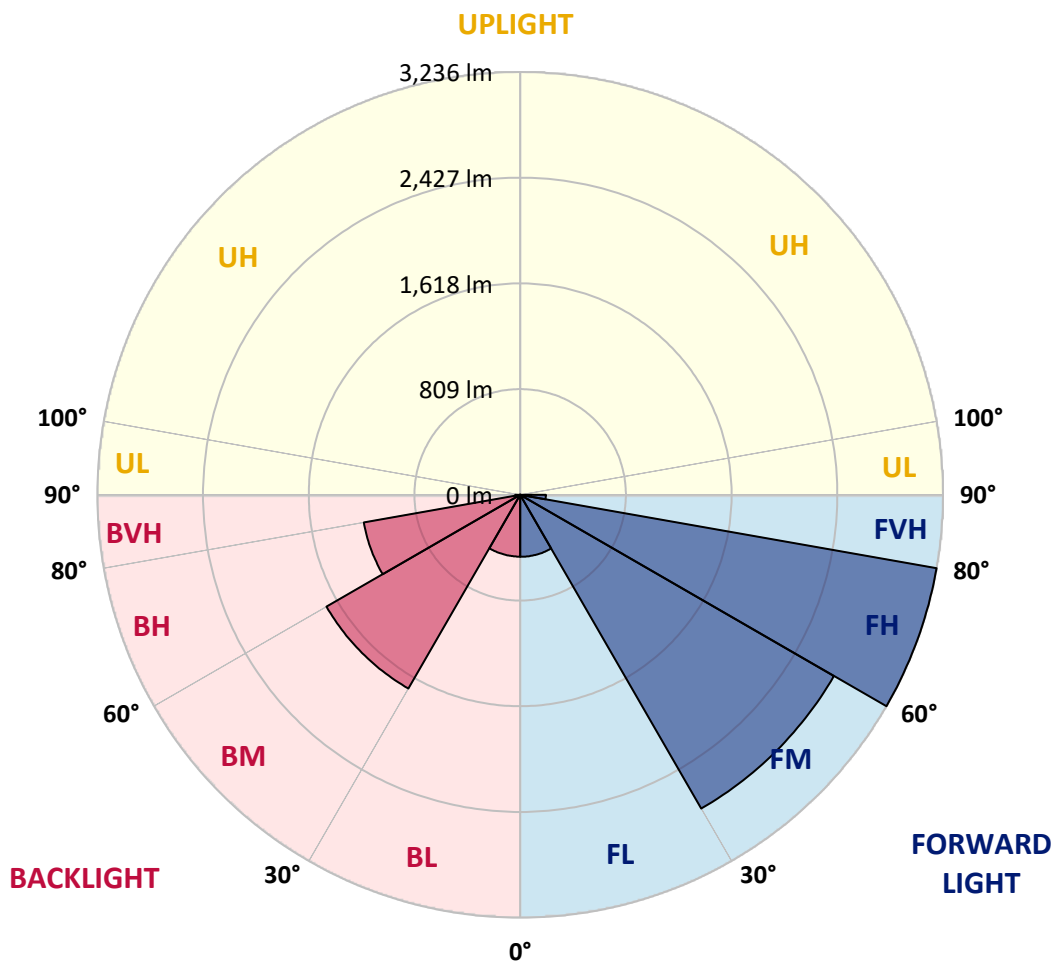
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 474.5  | 4.7       |                         |      |         |
| FM (30°-60°)   | 2772.4 | 27.4      |                         |      |         |
| FH (60°-80°)   | 3236.3 | 32.0      |                         |      | G2/5000 |
| FVH (80°-90°)  | 196.6  | 1.9       |                         |      | G2/225  |
| BL (0°-30°)    | 473.0  | 4.7       | B1/500                  |      |         |
| BM (30°-60°)   | 1711.7 | 16.9      | B2/2500                 |      |         |
| BH (60°-80°)   | 1215.0 | 12.0      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 37.3   | 0.4       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5°  | 1087.6 | 1087.0 | 1086.3 | 1086.3 | 1085.6 | 1086.3 | 1087.0 | 1087.6 | 1087.0 | 1087.6 | 1087.0 |
| 5°    | 1085.6 | 1085.6 | 1084.9 | 1084.9 | 1084.9 | 1084.9 | 1085.6 | 1086.3 | 1085.6 | 1087.0 | 1085.6 |
| 7.5°  | 1076.8 | 1080.9 | 1079.5 | 1080.9 | 1082.2 | 1083.6 | 1084.3 | 1085.6 | 1087.6 | 1089.0 | 1087.6 |
| 10°   | 1065.3 | 1067.3 | 1068.0 | 1069.3 | 1072.1 | 1075.4 | 1078.2 | 1081.5 | 1086.3 | 1087.6 | 1089.0 |
| 12.5° | 1044.3 | 1047.0 | 1049.0 | 1051.7 | 1055.8 | 1061.2 | 1066.0 | 1071.4 | 1079.5 | 1084.9 | 1089.7 |
| 15°   | 1028.7 | 1032.1 | 1032.8 | 1036.1 | 1040.2 | 1046.3 | 1052.4 | 1060.5 | 1071.4 | 1080.9 | 1090.4 |
| 17.5° | 1038.9 | 1040.2 | 1038.9 | 1038.9 | 1040.2 | 1042.9 | 1047.7 | 1054.4 | 1066.0 | 1077.5 | 1089.0 |
| 20°   | 1069.3 | 1069.3 | 1068.0 | 1067.3 | 1066.0 | 1063.2 | 1062.6 | 1061.9 | 1069.3 | 1078.2 | 1088.3 |
| 22.5° | 1098.5 | 1098.5 | 1097.8 | 1100.5 | 1099.8 | 1099.8 | 1097.8 | 1094.4 | 1091.0 | 1089.7 | 1096.5 |
| 25°   | 1116.8 | 1119.5 | 1120.9 | 1124.9 | 1127.6 | 1131.7 | 1133.0 | 1132.4 | 1127.6 | 1119.5 | 1117.5 |
| 27.5° | 1146.6 | 1148.6 | 1150.0 | 1154.7 | 1160.2 | 1164.9 | 1169.6 | 1175.7 | 1175.7 | 1168.3 | 1158.1 |
| 30°   | 1204.2 | 1201.5 | 1202.8 | 1204.2 | 1208.9 | 1215.7 | 1221.8 | 1230.0 | 1234.0 | 1231.3 | 1217.8 |
| 32.5° | 1257.7 | 1260.4 | 1261.8 | 1265.9 | 1270.6 | 1280.8 | 1288.2 | 1297.7 | 1306.5 | 1307.9 | 1301.1 |
| 35°   | 1336.3 | 1335.0 | 1333.0 | 1347.2 | 1352.6 | 1364.1 | 1372.9 | 1386.5 | 1393.3 | 1399.4 | 1395.3 |
| 37.5° | 1460.4 | 1456.3 | 1453.6 | 1457.6 | 1465.1 | 1472.6 | 1485.4 | 1495.6 | 1507.1 | 1521.3 | 1516.6 |
| 40°   | 1635.9 | 1644.0 | 1632.5 | 1637.9 | 1644.0 | 1627.1 | 1638.6 | 1648.1 | 1667.7 | 1668.4 | 1667.7 |
| 42.5° | 1864.2 | 1870.3 | 1867.6 | 1871.0 | 1860.2 | 1854.8 | 1850.0 | 1854.8 | 1879.2 | 1875.8 | 1859.5 |
| 45°   | 2092.6 | 2101.4 | 2099.4 | 2100.7 | 2121.8 | 2112.9 | 2120.4 | 2121.8 | 2146.8 | 2140.1 | 2127.9 |
| 47.5° | 2287.8 | 2302.7 | 2306.1 | 2318.3 | 2346.7 | 2369.8 | 2401.6 | 2425.3 | 2437.5 | 2445.7 | 2455.2 |
| 50°   | 2442.3 | 2453.1 | 2472.1 | 2502.6 | 2543.9 | 2583.9 | 2655.8 | 2702.5 | 2745.2 | 2775.0 | 2805.5 |
| 52.5° | 2544.6 | 2556.8 | 2586.0 | 2632.0 | 2691.7 | 2764.9 | 2848.9 | 2946.5 | 3036.6 | 3089.5 | 3134.9 |
| 55°   | 2586.6 | 2598.8 | 2634.7 | 2695.1 | 2774.3 | 2867.9 | 2988.5 | 3126.0 | 3246.0 | 3367.3 | 3437.1 |
| 57.5° | 2562.2 | 2575.8 | 2617.1 | 2684.9 | 2780.4 | 2903.1 | 3052.9 | 3221.6 | 3397.1 | 3580.8 | 3721.0 |
| 60°   | 2490.4 | 2502.6 | 2549.4 | 2619.8 | 2728.9 | 2867.2 | 3046.8 | 3258.2 | 3504.9 | 3777.3 | 4043.6 |
| 62.5° | 2391.5 | 2409.8 | 2451.1 | 2522.9 | 2631.4 | 2782.5 | 2987.1 | 3262.3 | 3616.0 | 4055.1 | 4573.5 |
| 65°   | 2265.4 | 2279.0 | 2315.6 | 2372.5 | 2491.8 | 2649.7 | 2865.8 | 3202.6 | 3664.8 | 4287.6 | 5027.6 |
| 66°   | 2200.4 | 2213.2 | 2247.1 | 2300.7 | 2409.8 | 2561.6 | 2777.7 | 3122.7 | 3610.6 | 4286.2 | 5075.7 |
| 67.5° | 2085.8 | 2091.9 | 2116.3 | 2169.2 | 2240.3 | 2376.6 | 2577.1 | 2900.4 | 3380.8 | 4105.3 | 4941.5 |
| 70°   | 1749.7 | 1758.5 | 1782.2 | 1809.4 | 1835.8 | 1884.6 | 2024.8 | 2238.3 | 2622.5 | 3317.1 | 4114.8 |
| 72.5° | 1210.3 | 1223.9 | 1249.6 | 1299.8 | 1341.1 | 1402.8 | 1457.6 | 1528.8 | 1656.2 | 2138.7 | 2943.8 |
| 75°   | 874.9  | 879.6  | 917.6  | 1005.6 | 1089.0 | 1212.3 | 1321.4 | 1356.0 | 1312.6 | 1305.2 | 1729.4 |
| 77.5° | 521.8  | 528.6  | 583.5  | 672.2  | 759.0  | 926.4  | 1150.0 | 1322.8 | 1418.3 | 1384.5 | 1309.2 |
| 80°   | 219.6  | 229.0  | 261.6  | 284.6  | 356.4  | 496.7  | 717.6  | 988.7  | 1240.8 | 1396.0 | 1360.7 |
| 82.5° | 70.5   | 82.0   | 96.9   | 117.2  | 138.2  | 185.0  | 286.7  | 429.0  | 677.7  | 1010.4 | 1242.2 |
| 85°   | 25.8   | 26.4   | 36.6   | 50.8   | 56.2   | 65.1   | 83.4   | 128.8  | 229.0  | 378.8  | 704.8  |
| 87.5° | 10.2   | 12.2   | 14.2   | 19.7   | 20.3   | 21.0   | 23.7   | 30.5   | 29.8   | 25.8   | 133.5  |
| 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-F04-LED-E-U-T3-7060

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5°  | 1087.6 | 1089.0 | 1088.3 | 1089.0 | 1089.0 | 1087.6 | 1087.6 | 1090.4 | 1088.3 | 1089.7 | 1089.7 |
| 5°    | 1087.0 | 1088.3 | 1087.6 | 1089.0 | 1088.3 | 1088.3 | 1088.3 | 1092.4 | 1091.7 | 1093.7 | 1095.1 |
| 7.5°  | 1089.7 | 1090.4 | 1089.7 | 1089.7 | 1091.7 | 1091.0 | 1091.7 | 1093.1 | 1096.5 | 1099.8 | 1102.6 |
| 10°   | 1093.1 | 1094.4 | 1096.5 | 1097.1 | 1099.8 | 1099.2 | 1101.2 | 1103.2 | 1106.6 | 1110.0 | 1113.4 |
| 12.5° | 1097.8 | 1101.9 | 1108.0 | 1109.3 | 1112.0 | 1114.1 | 1117.5 | 1119.5 | 1122.2 | 1127.6 | 1131.7 |
| 15°   | 1101.9 | 1109.3 | 1116.8 | 1119.5 | 1122.2 | 1124.9 | 1128.3 | 1130.3 | 1135.1 | 1139.8 | 1144.6 |
| 17.5° | 1103.2 | 1112.0 | 1121.5 | 1124.9 | 1127.6 | 1132.4 | 1136.4 | 1140.5 | 1145.9 | 1152.0 | 1157.4 |
| 20°   | 1103.9 | 1116.1 | 1128.3 | 1132.4 | 1138.5 | 1145.2 | 1152.0 | 1155.4 | 1162.9 | 1170.3 | 1175.1 |
| 22.5° | 1110.0 | 1124.9 | 1141.9 | 1149.3 | 1155.4 | 1167.6 | 1176.4 | 1181.8 | 1190.6 | 1196.7 | 1198.8 |
| 25°   | 1126.9 | 1142.5 | 1162.9 | 1174.4 | 1184.6 | 1202.2 | 1213.0 | 1223.2 | 1227.9 | 1236.1 | 1234.0 |
| 27.5° | 1157.4 | 1169.6 | 1196.1 | 1211.7 | 1224.5 | 1247.6 | 1268.6 | 1278.1 | 1285.5 | 1289.6 | 1284.8 |
| 30°   | 1209.6 | 1214.4 | 1243.5 | 1262.5 | 1284.2 | 1320.1 | 1343.1 | 1355.3 | 1364.8 | 1365.5 | 1353.3 |
| 32.5° | 1287.6 | 1280.1 | 1305.9 | 1333.0 | 1361.4 | 1404.8 | 1436.0 | 1448.8 | 1456.3 | 1457.0 | 1429.9 |
| 35°   | 1393.3 | 1380.4 | 1402.1 | 1428.5 | 1463.7 | 1520.7 | 1560.0 | 1574.9 | 1586.4 | 1581.0 | 1541.0 |
| 37.5° | 1526.8 | 1526.1 | 1536.3 | 1570.1 | 1610.1 | 1683.3 | 1724.6 | 1732.8 | 1732.1 | 1715.8 | 1655.5 |
| 40°   | 1675.2 | 1663.0 | 1664.3 | 1688.7 | 1734.8 | 1831.0 | 1888.6 | 1902.2 | 1897.4 | 1873.7 | 1795.1 |
| 42.5° | 1862.2 | 1856.8 | 1838.5 | 1851.4 | 1894.1 | 2011.3 | 2081.1 | 2094.6 | 2098.7 | 2059.4 | 1966.6 |
| 45°   | 2124.5 | 2119.7 | 2079.1 | 2081.8 | 2112.9 | 2236.3 | 2308.8 | 2331.2 | 2331.8 | 2294.6 | 2173.9 |
| 47.5° | 2442.3 | 2438.2 | 2390.8 | 2377.2 | 2392.8 | 2502.6 | 2592.7 | 2597.5 | 2598.8 | 2547.3 | 2422.0 |
| 50°   | 2802.8 | 2791.3 | 2755.4 | 2741.1 | 2722.8 | 2844.1 | 2916.7 | 2916.0 | 2908.5 | 2851.6 | 2710.6 |
| 52.5° | 3151.1 | 3176.9 | 3163.3 | 3135.5 | 3136.2 | 3223.6 | 3292.1 | 3254.1 | 3258.9 | 3204.7 | 3042.7 |
| 55°   | 3523.2 | 3588.9 | 3638.4 | 3648.5 | 3643.8 | 3688.5 | 3726.5 | 3658.7 | 3633.6 | 3624.8 | 3452.7 |
| 57.5° | 3918.2 | 4086.3 | 4238.8 | 4302.5 | 4278.1 | 4360.1 | 4394.0 | 4323.5 | 4324.8 | 4394.0 | 4245.5 |
| 60°   | 4446.1 | 4870.3 | 5254.6 | 5373.8 | 5429.4 | 5564.9 | 5504.6 | 5500.6 | 5607.0 | 5696.4 | 5421.3 |
| 62.5° | 5247.1 | 5949.9 | 6563.1 | 6651.9 | 6696.6 | 6727.1 | 6700.0 | 6626.2 | 6735.9 | 6746.8 | 6322.6 |
| 65°   | 5854.3 | 6679.0 | 7272.0 | 7383.1 | 7375.0 | 7219.8 | 7069.4 | 6921.6 | 6920.3 | 6811.8 | 6265.6 |
| 66°   | 5920.0 | 6748.1 | 7326.2 | 7424.4 | 7388.5 | 7149.3 | 6958.2 | 6766.4 | 6704.8 | 6542.1 | 5987.8 |
| 67.5° | 5776.4 | 6627.5 | 7201.5 | 7289.6 | 7213.0 | 6849.1 | 6588.9 | 6329.3 | 6236.5 | 6010.2 | 5445.0 |
| 70°   | 4938.1 | 5815.0 | 6582.8 | 6710.2 | 6619.4 | 6136.2 | 5750.6 | 5465.3 | 5212.6 | 4989.6 | 4523.4 |
| 72.5° | 3828.8 | 4484.8 | 5297.3 | 5430.1 | 5437.5 | 5059.4 | 4625.0 | 4351.3 | 4057.2 | 3833.5 | 3483.9 |
| 75°   | 2511.4 | 3007.5 | 3454.0 | 3409.3 | 3422.2 | 3124.7 | 2865.8 | 2638.1 | 2371.8 | 2195.6 | 2028.9 |
| 77.5° | 1467.8 | 1645.4 | 1604.7 | 1493.6 | 1400.0 | 1100.5 | 787.4  | 540.8  | 471.7  | 492.0  | 555.0  |
| 80°   | 1276.0 | 1176.4 | 920.9  | 809.8  | 736.6  | 500.1  | 269.0  | 189.7  | 166.7  | 168.7  | 178.9  |
| 82.5° | 1373.6 | 1425.1 | 1169.6 | 963.0  | 839.6  | 588.9  | 316.5  | 157.9  | 113.8  | 132.8  | 146.4  |
| 85°   | 1066.0 | 1356.7 | 1251.0 | 1057.2 | 889.1  | 626.2  | 323.2  | 100.3  | 67.8   | 90.8   | 114.5  |
| 87.5° | 303.6  | 480.5  | 384.2  | 339.5  | 273.8  | 187.0  | 77.3   | 40.0   | 36.6   | 47.4   | 65.7   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5°  | 1090.4 | 1090.4 | 1092.4 | 1093.1 | 1093.7 | 1093.7 | 1095.1 | 1095.1 | 1095.8 | 1098.5 | 1097.8 |
| 5°    | 1097.1 | 1099.2 | 1101.9 | 1103.2 | 1105.3 | 1105.9 | 1108.0 | 1108.0 | 1110.0 | 1112.0 | 1111.4 |
| 7.5°  | 1105.3 | 1107.3 | 1109.3 | 1111.4 | 1113.4 | 1116.1 | 1115.4 | 1114.8 | 1114.1 | 1112.7 | 1111.4 |
| 10°   | 1116.8 | 1118.8 | 1120.9 | 1120.2 | 1118.8 | 1117.5 | 1112.0 | 1105.9 | 1103.2 | 1097.8 | 1093.7 |
| 12.5° | 1135.8 | 1137.8 | 1135.8 | 1130.3 | 1122.9 | 1114.1 | 1102.6 | 1092.4 | 1086.3 | 1078.2 | 1073.4 |
| 15°   | 1150.0 | 1152.0 | 1148.0 | 1138.5 | 1126.3 | 1114.8 | 1099.2 | 1086.3 | 1075.4 | 1066.6 | 1059.9 |
| 17.5° | 1160.8 | 1159.5 | 1150.7 | 1139.8 | 1126.9 | 1117.5 | 1103.2 | 1089.0 | 1076.1 | 1063.9 | 1054.4 |
| 20°   | 1176.4 | 1169.0 | 1156.1 | 1142.5 | 1129.7 | 1121.5 | 1110.0 | 1097.1 | 1083.6 | 1066.0 | 1053.8 |
| 22.5° | 1196.7 | 1183.2 | 1166.3 | 1152.7 | 1140.5 | 1132.4 | 1120.9 | 1108.7 | 1095.8 | 1075.4 | 1058.5 |
| 25°   | 1225.9 | 1204.2 | 1184.6 | 1170.3 | 1159.5 | 1151.3 | 1137.1 | 1124.2 | 1110.0 | 1089.7 | 1068.0 |
| 27.5° | 1266.5 | 1235.4 | 1215.0 | 1200.8 | 1190.0 | 1180.5 | 1162.2 | 1146.6 | 1128.3 | 1108.0 | 1082.2 |
| 30°   | 1319.4 | 1281.5 | 1259.1 | 1246.9 | 1235.4 | 1221.8 | 1202.2 | 1179.1 | 1155.4 | 1128.3 | 1100.5 |
| 32.5° | 1385.1 | 1342.4 | 1321.4 | 1309.2 | 1294.3 | 1276.0 | 1250.3 | 1219.8 | 1184.6 | 1148.6 | 1114.1 |
| 35°   | 1478.7 | 1429.9 | 1406.8 | 1385.8 | 1364.1 | 1337.0 | 1298.4 | 1254.3 | 1207.6 | 1160.8 | 1118.1 |
| 37.5° | 1571.5 | 1526.1 | 1497.6 | 1475.9 | 1442.1 | 1398.0 | 1344.5 | 1283.5 | 1221.1 | 1161.5 | 1110.0 |
| 40°   | 1703.0 | 1650.1 | 1616.9 | 1578.3 | 1523.4 | 1454.9 | 1377.0 | 1295.0 | 1217.8 | 1145.9 | 1084.9 |
| 42.5° | 1864.2 | 1803.9 | 1754.5 | 1684.7 | 1599.3 | 1500.3 | 1392.6 | 1288.2 | 1194.0 | 1111.4 | 1044.3 |
| 45°   | 2068.2 | 1989.6 | 1906.9 | 1797.2 | 1666.4 | 1528.1 | 1391.9 | 1264.5 | 1153.4 | 1059.9 | 993.5  |
| 47.5° | 2306.1 | 2195.6 | 2056.7 | 1889.3 | 1710.4 | 1534.9 | 1370.2 | 1221.8 | 1092.4 | 989.4  | 912.8  |
| 50°   | 2550.7 | 2390.8 | 2193.6 | 1960.5 | 1732.8 | 1518.0 | 1322.1 | 1152.0 | 1012.4 | 895.2  | 812.5  |
| 52.5° | 2852.3 | 2604.2 | 2317.6 | 2008.6 | 1723.3 | 1467.8 | 1242.2 | 1053.8 | 904.7  | 790.2  | 695.3  |
| 55°   | 3211.4 | 2849.6 | 2435.5 | 2035.0 | 1681.3 | 1377.7 | 1120.9 | 925.0  | 768.5  | 664.1  | 578.7  |
| 57.5° | 3805.7 | 3233.8 | 2636.8 | 2074.3 | 1598.6 | 1243.5 | 973.1  | 770.5  | 623.4  | 534.7  | 466.2  |
| 60°   | 4830.4 | 4021.9 | 3062.3 | 2171.2 | 1484.1 | 1052.4 | 785.4  | 603.8  | 482.5  | 411.3  | 363.2  |
| 62.5° | 5545.3 | 4499.7 | 3291.4 | 2138.0 | 1289.6 | 828.8  | 580.8  | 431.7  | 351.7  | 304.9  | 272.4  |
| 65°   | 5406.4 | 4311.3 | 3015.6 | 1816.1 | 1010.4 | 586.2  | 386.3  | 292.1  | 246.7  | 217.5  | 201.3  |
| 66°   | 5157.0 | 4103.2 | 2805.5 | 1630.5 | 876.2  | 488.6  | 318.5  | 241.9  | 212.1  | 191.1  | 180.3  |
| 67.5° | 4702.3 | 3672.2 | 2428.1 | 1308.6 | 656.0  | 360.5  | 241.9  | 188.4  | 172.1  | 161.3  | 153.8  |
| 70°   | 3893.2 | 2903.8 | 1671.8 | 773.2  | 347.0  | 201.9  | 153.8  | 138.9  | 131.5  | 126.7  | 126.0  |
| 72.5° | 2985.1 | 2083.1 | 967.0  | 374.1  | 185.7  | 134.2  | 117.9  | 112.5  | 109.8  | 108.4  | 108.4  |
| 75°   | 1843.9 | 1175.1 | 432.3  | 187.7  | 128.1  | 109.8  | 102.3  | 99.6   | 98.9   | 98.9   | 98.9   |
| 77.5° | 648.5  | 409.3  | 193.8  | 137.6  | 112.5  | 98.9   | 92.8   | 91.5   | 92.8   | 92.8   | 92.8   |
| 80°   | 178.9  | 157.9  | 140.3  | 122.0  | 101.6  | 91.5   | 86.1   | 85.4   | 88.1   | 88.8   | 86.1   |
| 82.5° | 139.6  | 131.5  | 119.9  | 109.1  | 92.8   | 83.4   | 80.6   | 82.0   | 83.4   | 81.3   | 77.3   |
| 85°   | 119.3  | 113.8  | 84.0   | 84.0   | 75.2   | 72.5   | 71.8   | 73.2   | 72.5   | 67.1   | 61.7   |
| 87.5° | 67.8   | 59.6   | 45.4   | 49.5   | 52.9   | 54.2   | 45.4   | 48.8   | 48.1   | 42.7   | 40.0   |
| 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: P162184

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**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5°  | 1099.2 | 1099.2 | 1100.5 | 1100.5 | 1099.8 |
| 5°    | 1112.7 | 1112.7 | 1114.8 | 1113.4 | 1114.1 |
| 7.5°  | 1110.0 | 1107.3 | 1107.3 | 1105.9 | 1105.3 |
| 10°   | 1091.0 | 1086.3 | 1083.6 | 1084.9 | 1082.9 |
| 12.5° | 1069.3 | 1065.3 | 1062.6 | 1061.9 | 1061.2 |
| 15°   | 1055.8 | 1051.1 | 1049.0 | 1047.7 | 1047.7 |
| 17.5° | 1048.3 | 1042.9 | 1040.2 | 1038.2 | 1037.5 |
| 20°   | 1045.0 | 1038.2 | 1034.1 | 1032.1 | 1030.7 |
| 22.5° | 1046.3 | 1038.2 | 1032.8 | 1030.0 | 1028.7 |
| 25°   | 1051.7 | 1041.6 | 1034.8 | 1031.4 | 1029.4 |
| 27.5° | 1061.2 | 1047.7 | 1040.2 | 1035.5 | 1032.8 |
| 30°   | 1072.7 | 1053.8 | 1042.9 | 1036.1 | 1033.4 |
| 32.5° | 1080.2 | 1054.4 | 1040.9 | 1030.7 | 1028.0 |
| 35°   | 1078.8 | 1047.0 | 1029.4 | 1016.5 | 1014.5 |
| 37.5° | 1065.3 | 1027.3 | 1005.6 | 988.7  | 986.7  |
| 40°   | 1036.1 | 997.5  | 972.4  | 955.5  | 951.4  |
| 42.5° | 995.5  | 955.5  | 928.4  | 912.8  | 907.4  |
| 45°   | 935.8  | 887.1  | 862.0  | 849.1  | 841.7  |
| 47.5° | 851.8  | 805.7  | 778.0  | 767.1  | 757.6  |
| 50°   | 756.3  | 705.4  | 685.1  | 672.9  | 662.1  |
| 52.5° | 643.8  | 600.4  | 584.8  | 573.3  | 564.5  |
| 55°   | 534.7  | 504.2  | 485.9  | 473.7  | 474.4  |
| 57.5° | 429.6  | 411.3  | 401.2  | 388.3  | 389.7  |
| 60°   | 338.2  | 322.6  | 322.6  | 314.4  | 311.7  |
| 62.5° | 258.2  | 252.1  | 250.1  | 247.3  | 242.6  |
| 65°   | 195.8  | 195.8  | 196.5  | 196.5  | 193.8  |
| 66°   | 176.2  | 178.2  | 180.9  | 180.9  | 177.5  |
| 67.5° | 152.5  | 155.2  | 157.9  | 159.3  | 159.3  |
| 70°   | 126.0  | 129.4  | 130.8  | 132.1  | 131.5  |
| 72.5° | 110.5  | 113.2  | 113.2  | 113.8  | 112.5  |
| 75°   | 100.3  | 101.6  | 102.3  | 101.0  | 100.3  |
| 77.5° | 92.8   | 93.5   | 92.8   | 92.2   | 91.5   |
| 80°   | 84.0   | 83.4   | 81.3   | 78.6   | 77.9   |
| 82.5° | 72.5   | 69.8   | 68.4   | 64.4   | 63.7   |
| 85°   | 58.3   | 54.9   | 52.2   | 46.8   | 44.0   |
| 87.5° | 38.6   | 37.3   | 35.2   | 25.8   | 21.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)