

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: P162227

Luminaire Tested: **OVF-E03-LED-E-U-T4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162227  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33696)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-E03-LED-E-U-T4  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT  
Light Source: (63) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8815.8 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

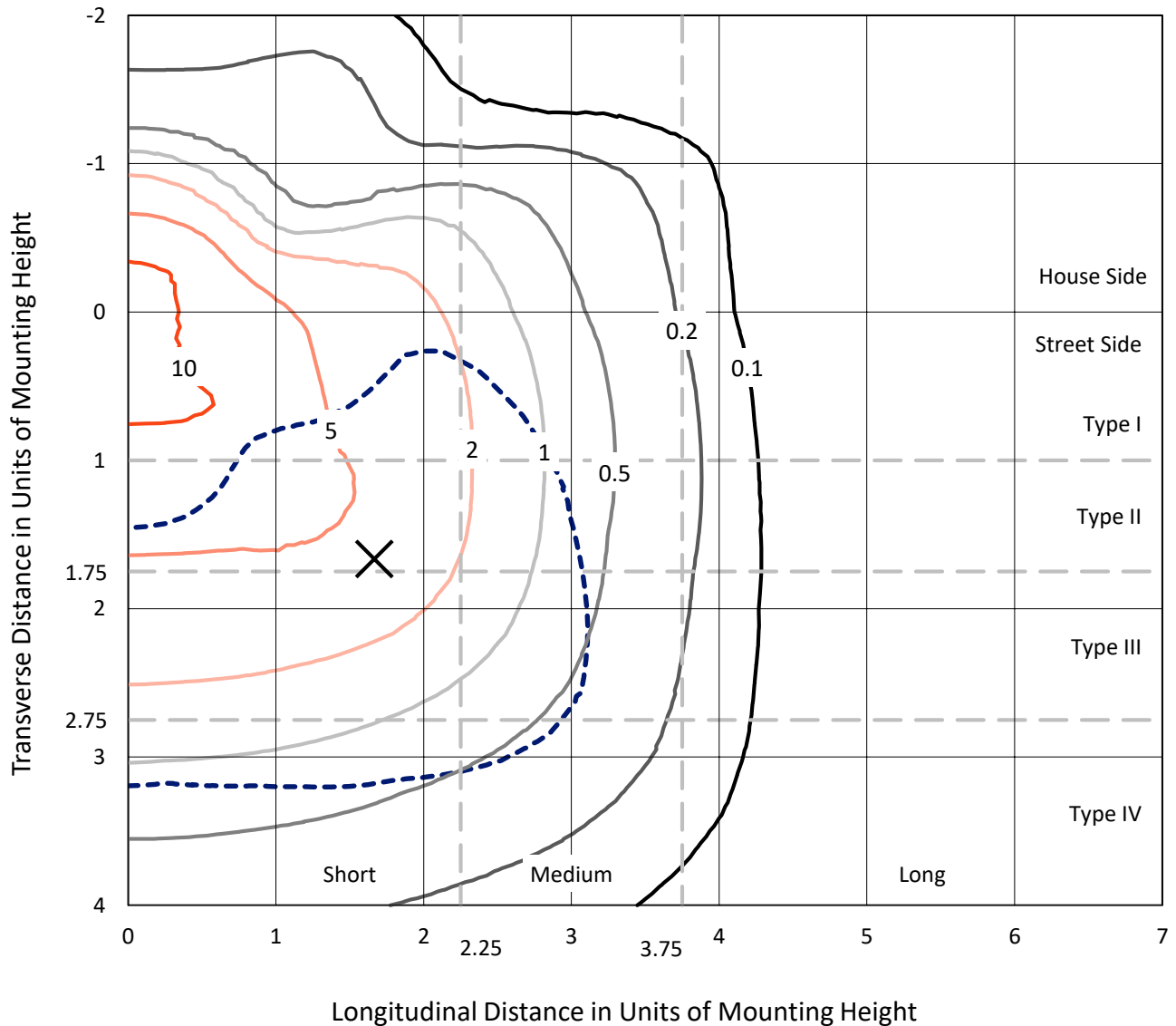
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

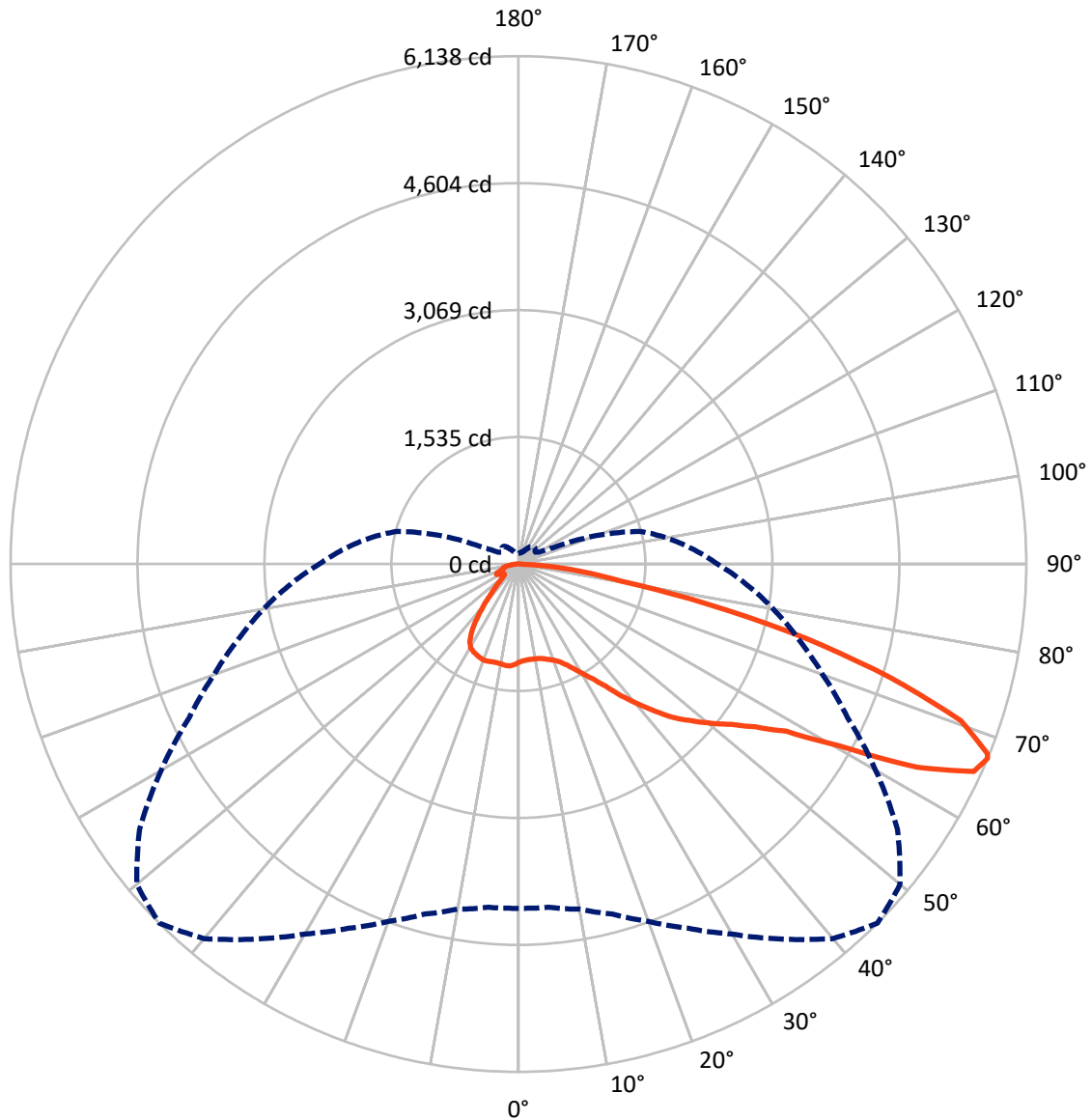


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1786.3   | 0.0    | 1786.3 |
|                    | % Fixture | 20.3     | 0.0    | 20.3   |
| <b>Street Side</b> | Lumens    | 7029.5   | 0.0    | 7029.5 |
|                    | % Fixture | 79.7     | 0.0    | 79.7   |
| <b>Total</b>       | Lumens    | 8815.8   | 0.0    | 8815.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.4  | 1.3       |
| 10°-20°   | 343.5  | 3.9       |
| 20°-30°   | 583.8  | 6.6       |
| 30°-40°   | 877.3  | 10.0      |
| 40°-50°   | 1140.8 | 12.9      |
| 50°-60°   | 1566.3 | 17.8      |
| 60°-70°   | 2470.8 | 28.0      |
| 70°-80°   | 1492.9 | 16.9      |
| 80°-90°   | 226.2  | 2.6       |
| 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°    | 8815.8 | 100.0     |
| 0°-180°   | 8815.8 | 100.0     |



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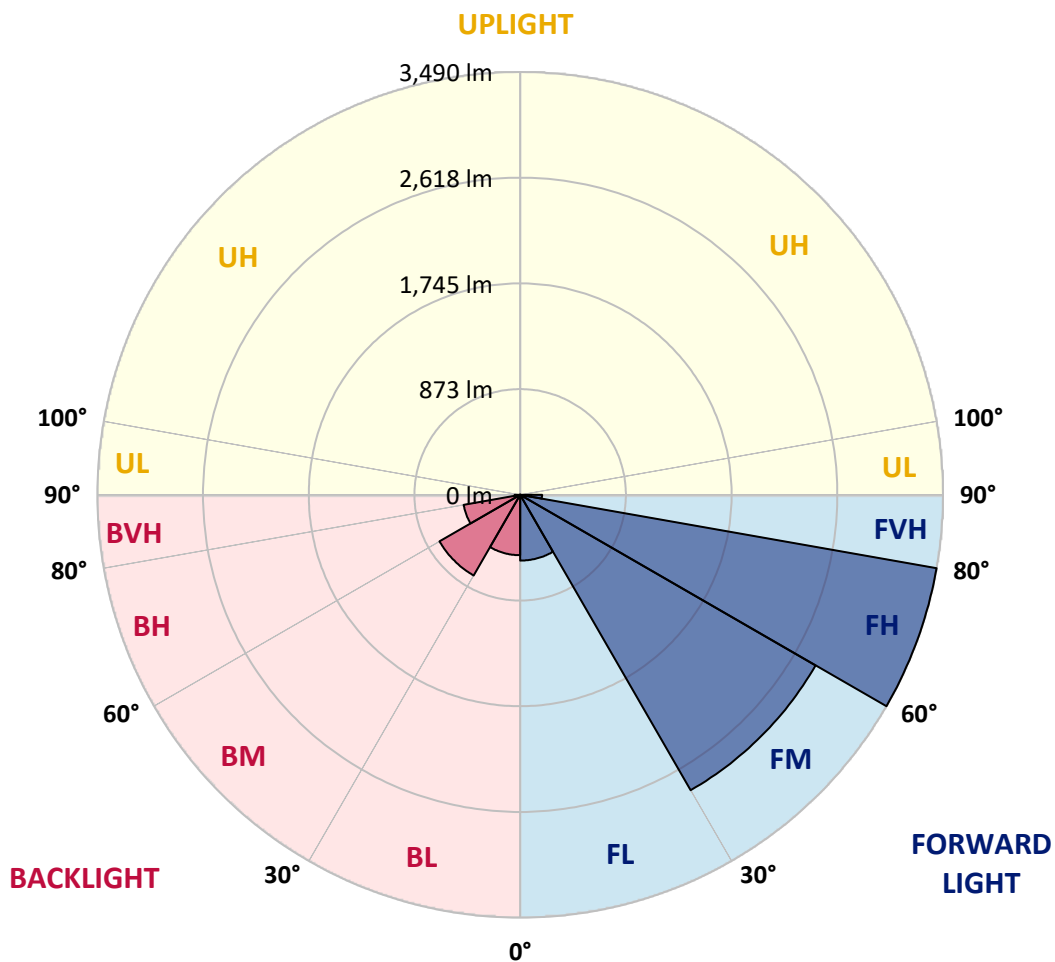
CATALOG NUMBER: OVF-E03-LED-E-U-T4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 542.9  | 6.2       |                         |      |         |
| FM   | (30°-60°)   | 2815.7 | 31.9      |                         |      |         |
| FH   | (60°-80°)   | 3490.4 | 39.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 180.6  | 2.0       |                         |      | G2/225  |
| BL   | (0°-30°)    | 498.7  | 5.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 768.7  | 8.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 473.3  | 5.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 45.6   | 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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 |
| 2.5°  | 1160.4 | 1162.8 | 1161.0 | 1161.0 | 1161.6 | 1162.2 | 1163.4 | 1165.8 | 1166.4 | 1170.0 | 1170.6 |
| 5°    | 1137.0 | 1137.6 | 1137.6 | 1138.2 | 1141.8 | 1144.8 | 1147.8 | 1152.0 | 1155.6 | 1162.2 | 1166.4 |
| 7.5°  | 1128.6 | 1131.0 | 1130.4 | 1131.6 | 1135.2 | 1138.2 | 1141.8 | 1147.8 | 1156.8 | 1162.2 | 1168.2 |
| 10°   | 1142.4 | 1144.2 | 1142.4 | 1143.0 | 1143.6 | 1146.6 | 1147.8 | 1152.0 | 1159.2 | 1164.0 | 1169.4 |
| 12.5° | 1174.2 | 1174.2 | 1172.4 | 1171.2 | 1169.4 | 1170.0 | 1167.6 | 1167.0 | 1170.6 | 1171.2 | 1171.8 |
| 15°   | 1216.2 | 1221.0 | 1215.0 | 1210.2 | 1207.8 | 1205.4 | 1197.6 | 1194.6 | 1194.0 | 1188.6 | 1183.2 |
| 17.5° | 1258.8 | 1260.0 | 1256.4 | 1251.0 | 1247.4 | 1242.0 | 1235.4 | 1229.4 | 1222.2 | 1213.8 | 1203.0 |
| 20°   | 1306.2 | 1306.8 | 1302.0 | 1294.2 | 1290.0 | 1283.4 | 1275.0 | 1264.8 | 1255.8 | 1242.6 | 1230.6 |
| 22.5° | 1372.2 | 1371.6 | 1362.0 | 1355.4 | 1349.4 | 1341.6 | 1329.6 | 1315.8 | 1301.4 | 1285.8 | 1269.0 |
| 25°   | 1447.8 | 1447.8 | 1441.2 | 1430.4 | 1427.4 | 1416.0 | 1402.8 | 1386.6 | 1371.6 | 1349.4 | 1329.0 |
| 27.5° | 1534.2 | 1534.8 | 1522.8 | 1516.8 | 1510.2 | 1498.2 | 1489.2 | 1476.6 | 1456.2 | 1434.0 | 1413.0 |
| 30°   | 1636.8 | 1633.8 | 1624.2 | 1611.6 | 1609.2 | 1599.6 | 1587.0 | 1578.0 | 1552.8 | 1537.2 | 1513.8 |
| 32.5° | 1734.0 | 1738.8 | 1736.4 | 1722.0 | 1724.4 | 1714.8 | 1704.0 | 1697.4 | 1671.0 | 1656.0 | 1634.4 |
| 35°   | 1879.2 | 1883.4 | 1887.0 | 1881.6 | 1884.6 | 1879.2 | 1870.2 | 1852.8 | 1831.2 | 1811.4 | 1781.4 |
| 37.5° | 1992.0 | 1996.2 | 1998.6 | 2011.8 | 2031.0 | 2049.6 | 2058.0 | 2049.0 | 2050.2 | 2020.2 | 1980.0 |
| 40°   | 2084.4 | 2094.6 | 2109.0 | 2134.2 | 2172.6 | 2208.0 | 2227.2 | 2242.2 | 2250.0 | 2221.8 | 2169.6 |
| 42.5° | 2176.8 | 2187.6 | 2207.4 | 2247.6 | 2300.4 | 2351.4 | 2391.6 | 2437.8 | 2446.2 | 2439.0 | 2394.6 |
| 45°   | 2273.4 | 2286.0 | 2310.6 | 2356.2 | 2418.0 | 2484.6 | 2549.4 | 2614.8 | 2647.8 | 2653.2 | 2599.2 |
| 47.5° | 2389.8 | 2407.8 | 2430.6 | 2482.2 | 2542.2 | 2617.2 | 2698.2 | 2782.2 | 2833.8 | 2833.8 | 2771.4 |
| 50°   | 2535.0 | 2555.4 | 2574.6 | 2626.2 | 2686.2 | 2763.6 | 2857.2 | 2950.8 | 3021.0 | 3025.2 | 2949.6 |
| 52.5° | 2738.4 | 2741.4 | 2752.8 | 2800.2 | 2852.4 | 2938.8 | 3027.6 | 3136.2 | 3217.2 | 3220.8 | 3133.8 |
| 55°   | 2985.6 | 2985.6 | 2998.8 | 3038.4 | 3087.0 | 3158.4 | 3250.2 | 3370.8 | 3456.0 | 3474.6 | 3363.0 |
| 57.5° | 3310.8 | 3322.8 | 3329.4 | 3375.6 | 3408.6 | 3484.2 | 3561.0 | 3692.4 | 3801.0 | 3813.0 | 3699.6 |
| 60°   | 3840.0 | 3817.2 | 3853.8 | 3894.6 | 3972.0 | 4027.2 | 4158.0 | 4290.0 | 4428.6 | 4461.6 | 4339.8 |
| 62.5° | 4361.4 | 4386.0 | 4431.0 | 4504.8 | 4637.4 | 4761.0 | 4948.2 | 5148.6 | 5364.0 | 5408.4 | 5315.4 |
| 65°   | 4393.8 | 4408.8 | 4471.2 | 4598.4 | 4779.6 | 4999.8 | 5257.8 | 5559.6 | 5880.6 | 6046.8 | 5890.8 |
| 67°   | 4161.0 | 4165.2 | 4236.0 | 4380.6 | 4597.8 | 4858.8 | 5164.2 | 5532.6 | 5909.4 | 6138.0 | 6021.6 |
| 67.5° | 4087.2 | 4095.0 | 4164.6 | 4312.2 | 4531.8 | 4798.8 | 5110.2 | 5488.8 | 5874.6 | 6113.4 | 6008.4 |
| 70°   | 3654.0 | 3654.0 | 3729.0 | 3877.8 | 4083.6 | 4344.0 | 4669.8 | 5052.0 | 5471.4 | 5672.4 | 5583.0 |
| 72.5° | 3110.4 | 3090.6 | 3175.2 | 3288.0 | 3456.0 | 3683.4 | 3945.6 | 4247.4 | 4563.0 | 4709.4 | 4674.0 |
| 75°   | 2260.8 | 2298.0 | 2341.8 | 2425.2 | 2571.0 | 2750.4 | 2904.0 | 3173.4 | 3421.2 | 3583.2 | 3540.6 |
| 77.5° | 1233.6 | 1248.0 | 1369.2 | 1419.0 | 1546.8 | 1680.0 | 1848.6 | 2037.6 | 2232.6 | 2334.6 | 2293.2 |
| 80°   | 733.2  | 761.4  | 833.4  | 892.8  | 961.8  | 1063.2 | 1185.6 | 1227.0 | 1265.4 | 1263.0 | 1188.0 |
| 82.5° | 463.2  | 497.4  | 575.4  | 626.4  | 662.4  | 721.2  | 787.8  | 840.0  | 851.4  | 795.0  | 708.0  |
| 85°   | 75.0   | 124.2  | 324.6  | 381.6  | 404.4  | 436.2  | 485.4  | 507.6  | 474.0  | 414.0  | 429.0  |
| 87.5° | 29.4   | 35.4   | 99.0   | 125.4  | 132.6  | 69.6   | 120.6  | 141.6  | 72.0   | 36.6   | 82.8   |
| 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-E03-LED-E-U-T4

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 |
| 2.5°  | 1174.2 | 1177.2 | 1180.2 | 1183.8 | 1185.0 | 1188.0 | 1193.4 | 1192.8 | 1197.0 | 1198.8 | 1201.8 |
| 5°    | 1171.8 | 1178.4 | 1183.2 | 1189.8 | 1192.2 | 1198.8 | 1206.0 | 1208.4 | 1213.8 | 1218.0 | 1221.6 |
| 7.5°  | 1176.6 | 1183.8 | 1189.8 | 1197.6 | 1203.0 | 1208.4 | 1213.8 | 1220.4 | 1225.2 | 1228.2 | 1230.6 |
| 10°   | 1178.4 | 1186.2 | 1193.4 | 1200.0 | 1206.0 | 1210.2 | 1216.2 | 1221.6 | 1226.4 | 1228.2 | 1228.8 |
| 12.5° | 1179.0 | 1184.4 | 1191.6 | 1198.8 | 1204.2 | 1209.6 | 1213.8 | 1219.8 | 1223.4 | 1224.0 | 1222.8 |
| 15°   | 1183.8 | 1184.4 | 1189.2 | 1197.6 | 1203.0 | 1208.4 | 1211.4 | 1214.4 | 1216.8 | 1215.0 | 1213.2 |
| 17.5° | 1198.2 | 1194.0 | 1194.0 | 1198.2 | 1201.2 | 1203.6 | 1204.2 | 1203.6 | 1201.2 | 1197.6 | 1194.6 |
| 20°   | 1221.6 | 1213.2 | 1206.6 | 1204.2 | 1199.4 | 1193.4 | 1185.6 | 1178.4 | 1169.4 | 1165.2 | 1164.6 |
| 22.5° | 1258.2 | 1245.6 | 1233.6 | 1221.6 | 1206.0 | 1188.6 | 1170.6 | 1155.0 | 1142.4 | 1135.8 | 1136.4 |
| 25°   | 1320.6 | 1302.0 | 1288.2 | 1267.2 | 1242.0 | 1217.4 | 1194.0 | 1173.0 | 1158.0 | 1146.0 | 1148.4 |
| 27.5° | 1404.6 | 1383.6 | 1371.6 | 1347.6 | 1318.8 | 1287.6 | 1260.0 | 1231.2 | 1209.6 | 1194.6 | 1197.6 |
| 30°   | 1503.0 | 1497.0 | 1477.2 | 1453.2 | 1426.2 | 1390.8 | 1349.4 | 1306.2 | 1267.2 | 1242.6 | 1237.8 |
| 32.5° | 1621.8 | 1615.2 | 1593.6 | 1573.2 | 1538.4 | 1499.4 | 1445.4 | 1377.0 | 1315.8 | 1269.0 | 1248.6 |
| 35°   | 1768.2 | 1752.0 | 1725.6 | 1705.8 | 1666.8 | 1616.4 | 1546.8 | 1454.4 | 1361.4 | 1291.2 | 1240.2 |
| 37.5° | 1950.6 | 1910.4 | 1866.6 | 1815.0 | 1757.4 | 1696.2 | 1615.8 | 1507.8 | 1392.6 | 1293.0 | 1202.4 |
| 40°   | 2124.6 | 2059.8 | 1987.2 | 1905.6 | 1835.4 | 1761.6 | 1678.2 | 1554.6 | 1413.6 | 1280.4 | 1145.4 |
| 42.5° | 2318.4 | 2217.6 | 2119.2 | 2007.0 | 1914.6 | 1827.0 | 1731.6 | 1587.6 | 1417.8 | 1246.2 | 1071.6 |
| 45°   | 2505.0 | 2375.4 | 2243.4 | 2104.8 | 1987.2 | 1890.0 | 1781.4 | 1615.8 | 1416.6 | 1210.2 | 998.4  |
| 47.5° | 2671.2 | 2516.4 | 2353.2 | 2197.2 | 2060.4 | 1953.6 | 1834.8 | 1654.2 | 1432.8 | 1200.0 | 949.8  |
| 50°   | 2826.6 | 2647.8 | 2456.4 | 2283.0 | 2134.2 | 2025.0 | 1902.6 | 1714.8 | 1482.6 | 1223.4 | 942.6  |
| 52.5° | 2986.8 | 2792.4 | 2573.4 | 2386.8 | 2231.4 | 2104.8 | 1981.2 | 1792.2 | 1552.2 | 1271.4 | 958.8  |
| 55°   | 3195.6 | 2972.4 | 2739.0 | 2532.0 | 2353.8 | 2217.6 | 2074.8 | 1885.8 | 1627.2 | 1327.2 | 989.4  |
| 57.5° | 3506.4 | 3245.4 | 2980.2 | 2757.6 | 2551.8 | 2382.0 | 2225.4 | 2008.8 | 1751.4 | 1411.2 | 1056.6 |
| 60°   | 4064.4 | 3775.2 | 3468.0 | 3177.0 | 2940.0 | 2741.4 | 2542.2 | 2273.4 | 1980.6 | 1602.0 | 1210.8 |
| 62.5° | 4975.8 | 4575.6 | 4150.8 | 3768.0 | 3442.2 | 3173.4 | 2892.6 | 2569.8 | 2228.4 | 1833.6 | 1444.2 |
| 65°   | 5523.6 | 4971.6 | 4431.0 | 3987.0 | 3601.8 | 3257.4 | 2917.8 | 2571.0 | 2240.4 | 1895.4 | 1549.2 |
| 67°   | 5591.4 | 4986.0 | 4387.8 | 3915.0 | 3502.2 | 3127.2 | 2758.8 | 2404.2 | 2108.4 | 1819.2 | 1520.4 |
| 67.5° | 5571.0 | 4957.2 | 4347.0 | 3869.4 | 3452.4 | 3089.4 | 2727.0 | 2364.0 | 2076.0 | 1786.8 | 1498.8 |
| 70°   | 5169.0 | 4568.4 | 3964.8 | 3500.4 | 3100.8 | 2729.4 | 2386.8 | 2023.2 | 1800.6 | 1593.6 | 1344.6 |
| 72.5° | 4290.0 | 3821.4 | 3315.6 | 2928.6 | 2583.6 | 2262.0 | 1960.8 | 1656.6 | 1477.8 | 1331.4 | 1156.2 |
| 75°   | 3181.2 | 2751.6 | 2323.8 | 2091.0 | 1823.4 | 1566.0 | 1333.2 | 1108.2 | 1039.2 | 1004.4 | 901.2  |
| 77.5° | 1964.4 | 1578.6 | 1256.4 | 1045.8 | 831.6  | 651.6  | 518.4  | 421.8  | 439.8  | 511.8  | 544.8  |
| 80°   | 978.0  | 722.4  | 559.2  | 444.6  | 359.4  | 290.4  | 213.0  | 156.0  | 186.6  | 221.4  | 250.8  |
| 82.5° | 588.6  | 465.0  | 367.8  | 311.4  | 253.2  | 195.6  | 138.6  | 105.6  | 117.0  | 157.2  | 172.8  |
| 85°   | 365.4  | 292.8  | 234.0  | 195.6  | 162.0  | 120.0  | 78.6   | 78.0   | 82.8   | 104.4  | 119.4  |
| 87.5° | 107.4  | 72.6   | 57.6   | 60.0   | 66.6   | 55.2   | 41.4   | 35.4   | 43.8   | 60.0   | 67.2   |
| 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-E03-LED-E-U-T4

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 | 1186.8 |
| 2.5°  | 1202.4 | 1206.6 | 1208.4 | 1209.0 | 1209.6 | 1213.2 | 1213.2 | 1216.8 | 1218.0 | 1218.0 | 1219.2 |
| 5°    | 1225.2 | 1229.4 | 1231.2 | 1231.8 | 1233.0 | 1234.8 | 1234.2 | 1236.6 | 1237.8 | 1237.2 | 1237.2 |
| 7.5°  | 1233.6 | 1234.8 | 1234.8 | 1236.6 | 1238.4 | 1236.6 | 1235.4 | 1236.6 | 1236.0 | 1236.6 | 1236.6 |
| 10°   | 1230.6 | 1229.4 | 1229.4 | 1228.2 | 1230.0 | 1226.4 | 1226.4 | 1227.6 | 1227.0 | 1228.2 | 1230.0 |
| 12.5° | 1223.4 | 1222.8 | 1221.0 | 1220.4 | 1222.8 | 1220.4 | 1221.0 | 1222.8 | 1224.0 | 1226.4 | 1229.4 |
| 15°   | 1213.2 | 1211.4 | 1211.4 | 1213.8 | 1219.8 | 1221.6 | 1224.0 | 1227.0 | 1227.6 | 1228.8 | 1230.0 |
| 17.5° | 1195.8 | 1198.8 | 1206.0 | 1214.4 | 1225.8 | 1230.0 | 1231.2 | 1229.4 | 1223.4 | 1218.6 | 1213.8 |
| 20°   | 1171.8 | 1185.0 | 1203.6 | 1221.6 | 1235.4 | 1234.8 | 1227.0 | 1215.6 | 1201.2 | 1191.0 | 1184.4 |
| 22.5° | 1151.4 | 1177.2 | 1206.0 | 1227.6 | 1236.6 | 1225.2 | 1207.2 | 1189.8 | 1173.0 | 1158.0 | 1144.8 |
| 25°   | 1165.8 | 1190.4 | 1215.0 | 1228.2 | 1227.6 | 1207.8 | 1183.8 | 1164.6 | 1141.8 | 1120.8 | 1098.6 |
| 27.5° | 1212.6 | 1227.6 | 1234.8 | 1230.6 | 1218.0 | 1191.6 | 1165.2 | 1138.2 | 1108.8 | 1083.6 | 1057.8 |
| 30°   | 1244.4 | 1244.4 | 1237.2 | 1220.4 | 1198.2 | 1168.8 | 1136.4 | 1101.6 | 1066.8 | 1037.4 | 1008.0 |
| 32.5° | 1234.2 | 1210.8 | 1189.8 | 1167.0 | 1141.8 | 1110.0 | 1072.8 | 1035.0 | 995.4  | 961.2  | 936.0  |
| 35°   | 1189.8 | 1139.4 | 1095.6 | 1063.2 | 1036.8 | 999.0  | 955.8  | 912.6  | 880.2  | 856.8  | 842.4  |
| 37.5° | 1110.6 | 1030.2 | 966.6  | 927.0  | 886.2  | 847.2  | 797.4  | 777.6  | 748.8  | 734.4  | 729.0  |
| 40°   | 1014.6 | 897.0  | 817.2  | 766.2  | 723.0  | 674.4  | 640.8  | 628.2  | 617.4  | 614.4  | 612.0  |
| 42.5° | 904.2  | 757.2  | 662.4  | 609.6  | 557.4  | 522.0  | 507.0  | 499.2  | 497.4  | 497.4  | 500.4  |
| 45°   | 789.6  | 615.0  | 505.8  | 463.2  | 420.0  | 401.4  | 397.8  | 394.2  | 394.8  | 393.0  | 394.2  |
| 47.5° | 700.8  | 493.8  | 381.6  | 342.6  | 320.4  | 314.4  | 310.2  | 309.0  | 309.0  | 306.0  | 302.4  |
| 50°   | 654.6  | 412.8  | 299.4  | 268.8  | 256.2  | 252.0  | 252.0  | 249.6  | 244.8  | 241.8  | 234.0  |
| 52.5° | 642.6  | 370.8  | 259.2  | 232.8  | 222.0  | 218.4  | 214.8  | 211.2  | 204.0  | 197.4  | 188.4  |
| 55°   | 652.2  | 357.6  | 246.6  | 222.0  | 210.0  | 205.8  | 202.8  | 196.8  | 186.6  | 177.0  | 166.8  |
| 57.5° | 692.4  | 366.0  | 251.4  | 225.0  | 214.2  | 211.2  | 208.2  | 199.2  | 186.6  | 172.8  | 161.4  |
| 60°   | 802.2  | 405.6  | 271.8  | 241.2  | 232.2  | 232.8  | 228.6  | 217.2  | 199.2  | 179.4  | 162.6  |
| 62.5° | 943.8  | 460.8  | 298.2  | 264.0  | 262.8  | 268.8  | 268.8  | 249.0  | 219.6  | 189.6  | 166.8  |
| 65°   | 1024.8 | 478.2  | 301.8  | 267.0  | 277.2  | 294.6  | 293.4  | 267.0  | 226.8  | 189.6  | 165.0  |
| 67°   | 1004.4 | 459.6  | 286.8  | 249.6  | 261.6  | 281.4  | 279.0  | 253.8  | 216.0  | 181.8  | 160.2  |
| 67.5° | 988.2  | 453.6  | 283.2  | 245.4  | 257.4  | 273.6  | 273.6  | 248.4  | 211.2  | 179.4  | 158.4  |
| 70°   | 870.0  | 400.8  | 265.2  | 229.2  | 229.2  | 233.4  | 230.4  | 212.4  | 187.2  | 165.0  | 151.2  |
| 72.5° | 725.4  | 350.4  | 250.8  | 217.8  | 206.4  | 204.0  | 199.8  | 187.2  | 171.0  | 155.4  | 143.4  |
| 75°   | 562.2  | 310.2  | 239.4  | 205.8  | 190.8  | 185.4  | 181.2  | 171.6  | 159.0  | 145.8  | 135.6  |
| 77.5° | 393.6  | 265.8  | 224.4  | 195.6  | 179.4  | 175.2  | 168.6  | 157.8  | 147.6  | 136.2  | 126.6  |
| 80°   | 244.2  | 219.6  | 195.6  | 176.4  | 159.6  | 153.6  | 145.2  | 135.6  | 127.2  | 120.6  | 113.4  |
| 82.5° | 174.0  | 161.4  | 145.8  | 135.6  | 118.2  | 100.2  | 107.4  | 108.0  | 102.6  | 98.4   | 96.6   |
| 85°   | 116.4  | 105.0  | 97.2   | 88.2   | 78.0   | 70.2   | 72.0   | 77.4   | 78.0   | 76.2   | 76.2   |
| 87.5° | 63.6   | 54.0   | 52.2   | 54.0   | 46.8   | 44.4   | 45.0   | 49.8   | 50.4   | 50.4   | 51.0   |
| 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-E03-LED-E-U-T4

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1186.8 | 1186.8 | 1186.8 | 1186.8 |
| 2.5°  | 1219.8 | 1221.6 | 1221.0 | 1222.2 |
| 5°    | 1238.4 | 1239.6 | 1239.0 | 1239.6 |
| 7.5°  | 1235.4 | 1237.8 | 1239.0 | 1237.2 |
| 10°   | 1230.6 | 1234.2 | 1236.6 | 1236.6 |
| 12.5° | 1231.8 | 1237.8 | 1241.4 | 1241.4 |
| 15°   | 1230.6 | 1235.4 | 1236.6 | 1236.6 |
| 17.5° | 1212.0 | 1212.0 | 1212.6 | 1210.2 |
| 20°   | 1179.6 | 1176.0 | 1174.8 | 1170.6 |
| 22.5° | 1133.4 | 1125.0 | 1119.6 | 1116.6 |
| 25°   | 1080.6 | 1067.4 | 1059.0 | 1054.2 |
| 27.5° | 1036.8 | 1025.4 | 1017.0 | 1012.2 |
| 30°   | 988.2  | 975.0  | 970.2  | 966.6  |
| 32.5° | 918.0  | 905.4  | 901.8  | 898.8  |
| 35°   | 826.8  | 822.6  | 813.0  | 806.4  |
| 37.5° | 721.2  | 715.8  | 712.2  | 709.8  |
| 40°   | 610.8  | 611.4  | 608.4  | 603.0  |
| 42.5° | 500.4  | 506.4  | 500.4  | 499.2  |
| 45°   | 393.0  | 399.6  | 399.6  | 401.4  |
| 47.5° | 303.0  | 301.8  | 304.2  | 304.8  |
| 50°   | 229.2  | 225.6  | 224.4  | 222.6  |
| 52.5° | 181.8  | 177.6  | 175.2  | 172.2  |
| 55°   | 160.2  | 155.4  | 153.0  | 152.4  |
| 57.5° | 153.0  | 147.0  | 143.4  | 142.8  |
| 60°   | 151.2  | 142.8  | 138.0  | 136.8  |
| 62.5° | 151.2  | 141.0  | 135.6  | 133.8  |
| 65°   | 149.4  | 139.2  | 134.4  | 132.6  |
| 67°   | 147.0  | 138.0  | 133.2  | 132.0  |
| 67.5° | 145.8  | 137.4  | 133.2  | 131.4  |
| 70°   | 142.8  | 135.6  | 130.8  | 129.0  |
| 72.5° | 136.2  | 130.2  | 125.4  | 124.2  |
| 75°   | 129.0  | 123.6  | 120.6  | 119.4  |
| 77.5° | 120.6  | 115.8  | 112.2  | 109.2  |
| 80°   | 108.0  | 102.6  | 97.2   | 96.0   |
| 82.5° | 91.8   | 85.8   | 81.6   | 81.0   |
| 85°   | 73.8   | 69.0   | 64.2   | 64.2   |
| 87.5° | 51.6   | 48.6   | 45.6   | 42.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)