

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: P145667

Luminaire Tested: **OVH-F03-LED-E-U-SL4-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145667
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-F03-LED-E-U-SL4-7060
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7323.9 lumens
Efficiency: N/A
Efficacy: 93.5 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): 78.3
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

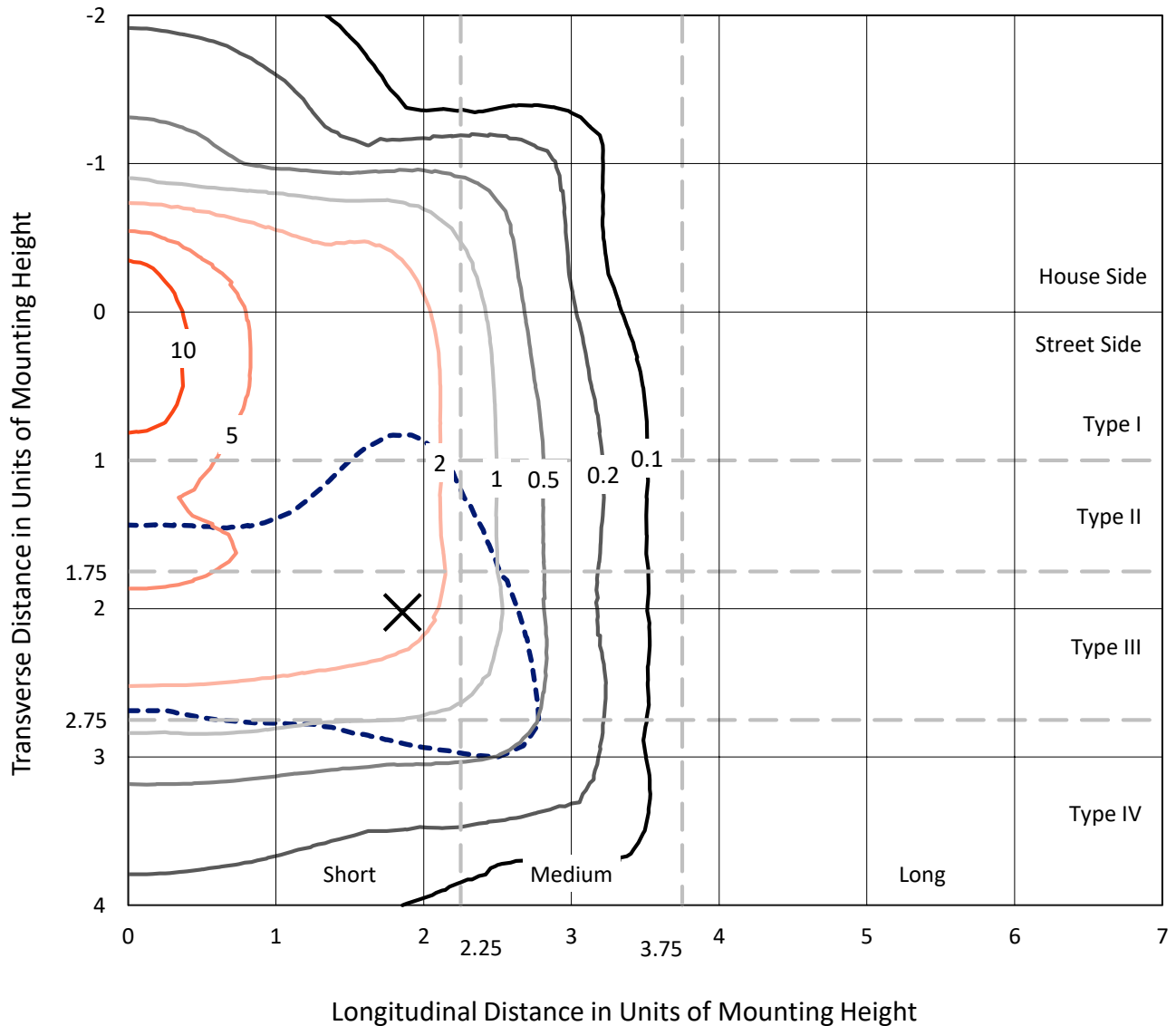


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Iso-Footcandle Lines of Horizontal Illumination

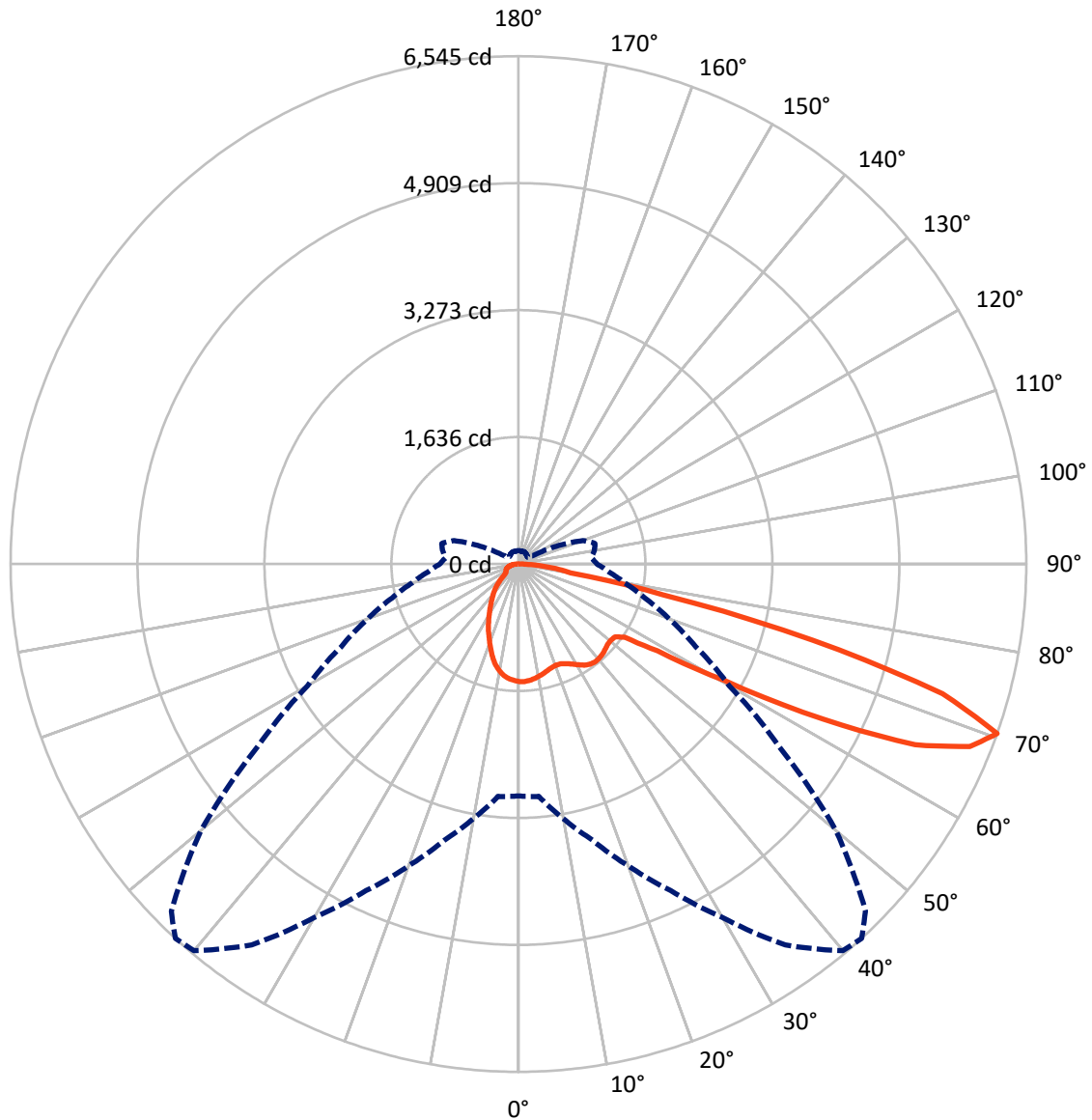
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1582.1 | 0.0 | 1582.1 |
| | % Fixture | 21.6 | 0.0 | 21.6 |
| Street Side | Lumens | 5741.8 | 0.0 | 5741.8 |
| | % Fixture | 78.4 | 0.0 | 78.4 |
| Total | Lumens | 7323.9 | 0.0 | 7323.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 140.9 | 1.9 |
| 10°-20° | 379.6 | 5.2 |
| 20°-30° | 553.7 | 7.6 |
| 30°-40° | 706.2 | 9.6 |
| 40°-50° | 824.3 | 11.3 |
| 50°-60° | 1260.6 | 17.2 |
| 60°-70° | 2285.2 | 31.2 |
| 70°-80° | 1016.0 | 13.9 |
| 80°-90° | 157.2 | 2.1 |
| 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° | 7323.9 | 100.0 |
| 0°-180° | 7323.9 | 100.0 |

Coefficient of Utilization



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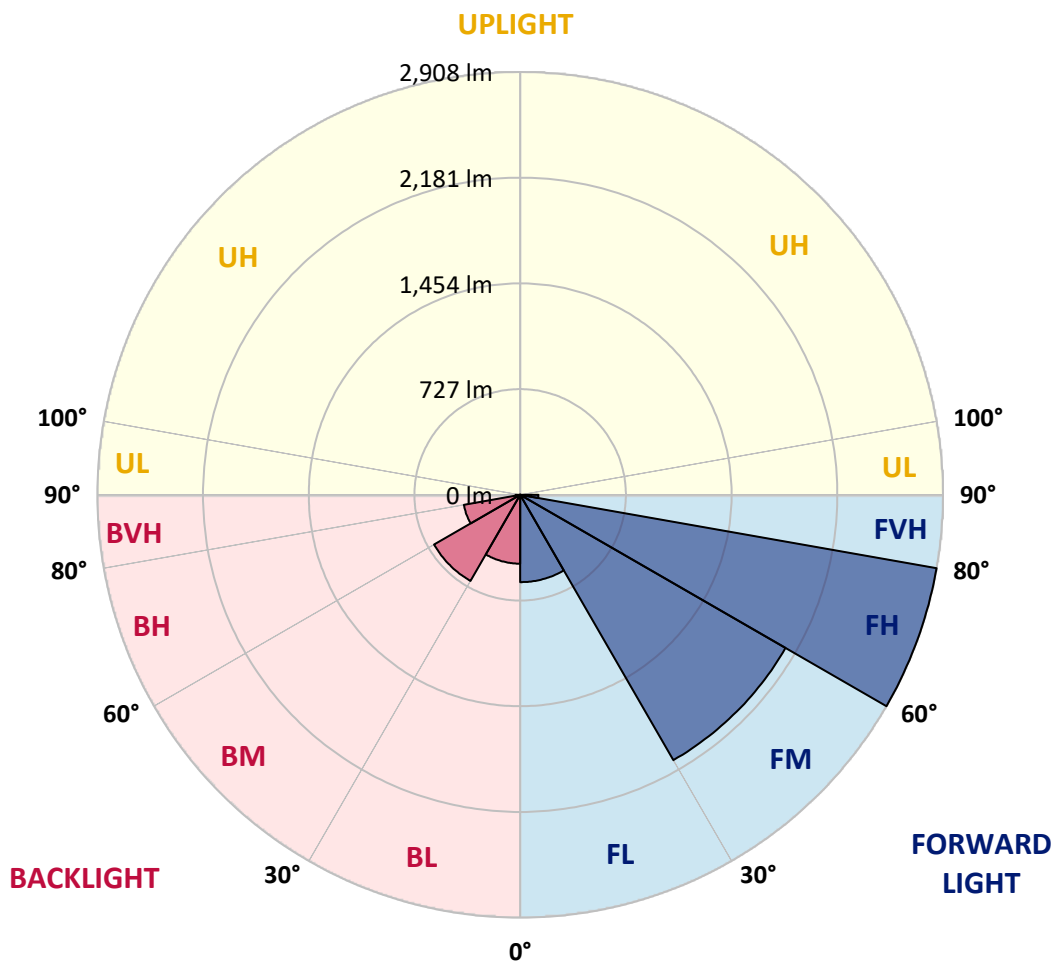
CATALOG NUMBER: OVH-F03-LED-E-U-SL4-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 600.7 | 8.2 | | | |
| FM (30°-60°) | 2107.3 | 28.8 | | | |
| FH (60°-80°) | 2908.2 | 39.7 | | | G2/5000 |
| FVH (80°-90°) | 125.6 | 1.7 | | | G2/225 |
| BL (0°-30°) | 473.5 | 6.5 | B1/500 | | |
| BM (30°-60°) | 683.9 | 9.3 | B1/1000 | | |
| BH (60°-80°) | 393.0 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 31.6 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 42.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 |
| 2.5° | 1521.7 | 1520.2 | 1521.2 | 1522.2 | 1522.2 | 1522.7 | 1518.1 | 1518.6 | 1516.6 | 1517.1 | 1517.6 |
| 5° | 1516.1 | 1514.6 | 1515.6 | 1515.6 | 1515.6 | 1515.1 | 1509.0 | 1508.5 | 1505.9 | 1505.9 | 1504.9 |
| 7.5° | 1505.4 | 1499.8 | 1502.9 | 1503.4 | 1502.4 | 1499.8 | 1496.3 | 1492.7 | 1491.2 | 1491.2 | 1487.6 |
| 10° | 1489.2 | 1483.1 | 1484.6 | 1485.6 | 1485.1 | 1480.0 | 1478.5 | 1474.9 | 1470.9 | 1469.3 | 1465.3 |
| 12.5° | 1468.3 | 1464.3 | 1466.3 | 1465.8 | 1465.8 | 1461.2 | 1458.7 | 1453.6 | 1448.5 | 1446.0 | 1440.9 |
| 15° | 1455.1 | 1450.0 | 1452.1 | 1452.1 | 1450.0 | 1445.4 | 1441.9 | 1432.7 | 1424.1 | 1421.1 | 1414.4 |
| 17.5° | 1463.2 | 1458.2 | 1460.2 | 1458.7 | 1455.1 | 1445.4 | 1436.3 | 1421.6 | 1407.8 | 1399.7 | 1391.1 |
| 20° | 1495.8 | 1490.7 | 1492.2 | 1491.2 | 1486.1 | 1470.4 | 1453.6 | 1428.2 | 1402.8 | 1390.6 | 1377.3 |
| 22.5° | 1547.6 | 1543.5 | 1546.1 | 1544.6 | 1536.4 | 1516.1 | 1491.2 | 1454.6 | 1416.5 | 1398.2 | 1379.4 |
| 25° | 1624.4 | 1623.3 | 1627.4 | 1622.8 | 1611.1 | 1580.6 | 1544.6 | 1495.3 | 1445.4 | 1422.6 | 1396.2 |
| 27.5° | 1716.9 | 1708.2 | 1714.3 | 1710.2 | 1702.1 | 1663.5 | 1614.7 | 1552.2 | 1488.7 | 1458.7 | 1427.2 |
| 30° | 1800.2 | 1792.6 | 1803.8 | 1801.7 | 1789.5 | 1749.9 | 1688.4 | 1615.2 | 1543.5 | 1505.4 | 1469.3 |
| 32.5° | 1896.8 | 1887.1 | 1895.8 | 1895.8 | 1877.5 | 1824.1 | 1754.0 | 1670.1 | 1594.9 | 1554.2 | 1511.0 |
| 35° | 1997.9 | 1987.7 | 1995.9 | 1993.3 | 1960.8 | 1890.2 | 1802.2 | 1711.3 | 1628.4 | 1586.7 | 1542.5 |
| 37.5° | 2091.9 | 2090.4 | 2092.4 | 2075.7 | 2030.4 | 1940.0 | 1834.8 | 1733.1 | 1645.2 | 1601.5 | 1555.2 |
| 40° | 2186.0 | 2182.4 | 2173.8 | 2144.3 | 2078.2 | 1969.5 | 1851.5 | 1740.7 | 1646.2 | 1600.5 | 1553.7 |
| 42.5° | 2244.9 | 2238.3 | 2223.6 | 2183.4 | 2100.6 | 1976.6 | 1846.5 | 1729.1 | 1634.0 | 1587.3 | 1541.5 |
| 45° | 2265.2 | 2258.6 | 2240.9 | 2195.6 | 2101.1 | 1965.4 | 1826.6 | 1705.7 | 1611.1 | 1568.4 | 1522.2 |
| 47.5° | 2248.5 | 2244.4 | 2228.1 | 2182.9 | 2084.8 | 1944.5 | 1801.7 | 1682.3 | 1589.3 | 1547.6 | 1504.4 |
| 50° | 2220.0 | 2217.5 | 2203.2 | 2161.6 | 2069.6 | 1931.8 | 1790.0 | 1671.1 | 1583.2 | 1544.6 | 1503.9 |
| 52.5° | 2291.2 | 2283.5 | 2258.1 | 2208.8 | 2101.6 | 1954.7 | 1808.3 | 1687.9 | 1597.4 | 1558.3 | 1516.6 |
| 55° | 3165.9 | 3109.4 | 2983.4 | 2747.1 | 2416.2 | 2159.5 | 1943.5 | 1798.2 | 1700.6 | 1662.5 | 1622.8 |
| 57.5° | 4163.5 | 4104.6 | 4052.2 | 3871.8 | 3478.9 | 2994.1 | 2558.0 | 2302.9 | 2128.0 | 2111.3 | 2095.5 |
| 60° | 4547.8 | 4566.6 | 4562.0 | 4494.9 | 4293.7 | 4063.4 | 3698.5 | 3397.1 | 3063.2 | 3049.5 | 3069.3 |
| 62.5° | 4812.6 | 4828.3 | 4830.4 | 4810.0 | 4744.5 | 4667.7 | 4591.5 | 4494.9 | 4431.4 | 4403.9 | 4226.6 |
| 65° | 4921.8 | 4944.7 | 4995.0 | 5032.6 | 5043.3 | 5069.7 | 5138.9 | 5401.6 | 5620.7 | 5619.2 | 5411.3 |
| 67.5° | 4504.6 | 4532.0 | 4722.6 | 4909.7 | 5066.7 | 5248.6 | 5528.7 | 5956.1 | 6286.0 | 6275.8 | 6105.6 |
| 70° | 2989.5 | 3006.8 | 3330.5 | 3682.7 | 4139.7 | 4644.9 | 5256.8 | 5993.7 | 6505.0 | 6545.2 | 6325.6 |
| 72.5° | 1833.7 | 1873.4 | 1979.1 | 2121.9 | 2365.9 | 2834.0 | 3743.7 | 5003.2 | 5753.3 | 5715.7 | 5540.9 |
| 75° | 1238.1 | 1240.1 | 1237.1 | 1252.3 | 1266.0 | 1360.6 | 1727.0 | 2751.1 | 3897.2 | 3917.6 | 3842.3 |
| 77.5° | 846.2 | 857.4 | 863.5 | 859.4 | 873.2 | 869.1 | 890.4 | 942.8 | 1493.7 | 1906.4 | 1751.9 |
| 80° | 739.5 | 744.1 | 750.7 | 741.0 | 715.6 | 701.4 | 721.2 | 702.4 | 661.7 | 683.6 | 654.6 |
| 82.5° | 468.1 | 481.8 | 483.3 | 516.9 | 566.7 | 568.7 | 594.1 | 575.3 | 523.5 | 489.4 | 447.8 |
| 85° | 336.5 | 341.5 | 350.7 | 352.7 | 335.4 | 320.7 | 329.9 | 314.1 | 283.1 | 264.8 | 234.3 |
| 87.5° | 196.2 | 201.3 | 210.4 | 204.8 | 187.5 | 166.2 | 149.9 | 129.1 | 102.2 | 95.6 | 84.4 |
| 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: OVH-F03-LED-E-U-SL4-7060

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 |
| 2.5° | 1518.1 | 1515.6 | 1513.6 | 1512.5 | 1514.6 | 1512.5 | 1510.5 | 1509.5 | 1507.5 | 1508.0 | 1505.4 |
| 5° | 1503.9 | 1500.3 | 1497.3 | 1494.7 | 1496.8 | 1493.2 | 1490.2 | 1488.1 | 1485.6 | 1485.1 | 1482.6 |
| 7.5° | 1484.1 | 1478.5 | 1474.4 | 1469.8 | 1464.8 | 1461.7 | 1458.2 | 1454.6 | 1449.0 | 1448.5 | 1447.5 |
| 10° | 1458.2 | 1453.6 | 1445.4 | 1438.3 | 1431.2 | 1423.6 | 1416.0 | 1410.4 | 1403.8 | 1401.2 | 1397.7 |
| 12.5° | 1432.2 | 1423.1 | 1413.4 | 1402.2 | 1393.6 | 1381.4 | 1371.2 | 1360.6 | 1350.9 | 1344.8 | 1338.2 |
| 15° | 1401.7 | 1392.1 | 1378.4 | 1367.7 | 1355.5 | 1341.8 | 1328.6 | 1312.8 | 1297.0 | 1287.4 | 1278.2 |
| 17.5° | 1375.3 | 1363.1 | 1351.9 | 1336.7 | 1324.5 | 1308.7 | 1288.9 | 1272.1 | 1253.3 | 1237.6 | 1220.8 |
| 20° | 1355.0 | 1341.3 | 1328.0 | 1314.3 | 1299.6 | 1281.8 | 1259.9 | 1236.1 | 1212.2 | 1189.8 | 1164.9 |
| 22.5° | 1346.9 | 1325.0 | 1310.3 | 1297.6 | 1282.3 | 1262.0 | 1237.6 | 1208.1 | 1178.6 | 1150.2 | 1121.2 |
| 25° | 1354.0 | 1321.4 | 1298.6 | 1284.3 | 1270.6 | 1249.8 | 1222.3 | 1188.8 | 1154.2 | 1118.1 | 1083.6 |
| 27.5° | 1373.3 | 1332.1 | 1299.6 | 1277.2 | 1261.5 | 1241.1 | 1210.6 | 1175.6 | 1136.4 | 1095.8 | 1058.7 |
| 30° | 1401.2 | 1349.9 | 1309.2 | 1277.2 | 1253.8 | 1230.5 | 1197.4 | 1157.8 | 1116.6 | 1073.9 | 1032.2 |
| 32.5° | 1431.7 | 1369.7 | 1320.9 | 1278.7 | 1242.7 | 1213.2 | 1178.6 | 1140.0 | 1096.3 | 1051.1 | 1006.3 |
| 35° | 1454.6 | 1384.0 | 1326.0 | 1273.2 | 1226.9 | 1189.8 | 1152.7 | 1115.1 | 1072.4 | 1026.7 | 981.9 |
| 37.5° | 1464.3 | 1389.5 | 1325.0 | 1261.5 | 1205.0 | 1164.4 | 1125.8 | 1088.2 | 1047.0 | 1003.8 | 962.6 |
| 40° | 1464.8 | 1389.5 | 1318.9 | 1245.7 | 1182.2 | 1138.0 | 1097.3 | 1062.2 | 1023.6 | 986.5 | 949.9 |
| 42.5° | 1455.1 | 1382.4 | 1307.7 | 1231.0 | 1165.4 | 1115.6 | 1073.9 | 1037.8 | 1006.8 | 973.8 | 942.8 |
| 45° | 1437.8 | 1368.2 | 1297.6 | 1222.8 | 1159.3 | 1110.0 | 1065.3 | 1031.2 | 1003.3 | 973.8 | 946.9 |
| 47.5° | 1424.6 | 1360.1 | 1298.1 | 1234.5 | 1174.0 | 1123.2 | 1074.9 | 1038.9 | 1015.0 | 991.6 | 972.3 |
| 50° | 1427.2 | 1363.1 | 1304.2 | 1243.7 | 1184.2 | 1132.9 | 1086.1 | 1055.1 | 1040.9 | 1033.3 | 1028.7 |
| 52.5° | 1440.4 | 1375.3 | 1330.6 | 1290.4 | 1271.1 | 1239.6 | 1213.7 | 1190.3 | 1193.9 | 1175.6 | 1152.2 |
| 55° | 1576.6 | 1554.7 | 1606.1 | 1643.2 | 1661.5 | 1693.5 | 1739.7 | 1695.5 | 1689.4 | 1633.0 | 1465.3 |
| 57.5° | 2116.8 | 2168.7 | 2247.5 | 2303.4 | 2309.0 | 2299.3 | 2261.2 | 2224.6 | 2165.1 | 2080.2 | 1845.4 |
| 60° | 3023.0 | 3010.8 | 2937.7 | 2839.6 | 2763.3 | 2663.2 | 2562.6 | 2477.7 | 2382.1 | 2252.0 | 2002.0 |
| 62.5° | 3976.0 | 3682.2 | 3421.5 | 3199.4 | 3010.8 | 2843.6 | 2691.7 | 2564.1 | 2433.0 | 2245.9 | 1979.6 |
| 65° | 4745.5 | 4180.3 | 3720.9 | 3363.6 | 3083.0 | 2846.7 | 2650.5 | 2474.6 | 2299.3 | 2082.8 | 1824.6 |
| 67.5° | 5295.4 | 4398.9 | 3705.6 | 3203.0 | 2809.6 | 2484.3 | 2198.7 | 1998.4 | 1818.5 | 1648.2 | 1531.9 |
| 70° | 5339.1 | 4096.5 | 3134.9 | 2519.9 | 2066.0 | 1683.8 | 1387.5 | 1169.0 | 1012.4 | 941.8 | 992.1 |
| 72.5° | 4562.5 | 3030.7 | 2084.3 | 1542.5 | 1224.4 | 951.4 | 764.9 | 611.4 | 485.4 | 423.4 | 432.0 |
| 75° | 2687.1 | 1455.1 | 938.7 | 699.3 | 571.3 | 456.4 | 394.9 | 333.4 | 294.3 | 235.8 | 188.6 |
| 77.5° | 1023.1 | 632.8 | 473.7 | 393.4 | 280.6 | 201.8 | 159.1 | 137.2 | 126.0 | 124.5 | 117.9 |
| 80° | 589.6 | 464.0 | 324.8 | 212.4 | 155.5 | 131.6 | 112.8 | 96.6 | 90.0 | 88.4 | 91.0 |
| 82.5° | 372.5 | 289.2 | 178.4 | 136.7 | 113.3 | 97.6 | 81.3 | 70.6 | 65.1 | 63.0 | 66.6 |
| 85° | 192.6 | 144.8 | 108.8 | 93.5 | 86.9 | 79.3 | 65.1 | 54.4 | 53.9 | 56.4 | 65.1 |
| 87.5° | 71.2 | 62.0 | 48.8 | 42.2 | 45.2 | 42.2 | 30.5 | 26.4 | 23.9 | 31.5 | 45.7 |
| 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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CATALOG NUMBER: OVH-F03-LED-E-U-SL4-7060

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 |
| 2.5° | 1505.4 | 1504.4 | 1504.9 | 1503.9 | 1503.9 | 1505.4 | 1503.4 | 1501.9 | 1504.4 | 1504.4 | 1505.9 |
| 5° | 1482.0 | 1483.1 | 1483.1 | 1482.6 | 1483.6 | 1486.1 | 1485.6 | 1485.6 | 1489.7 | 1491.2 | 1493.2 |
| 7.5° | 1444.9 | 1446.5 | 1447.0 | 1448.5 | 1449.0 | 1452.6 | 1455.1 | 1458.2 | 1464.3 | 1465.8 | 1470.4 |
| 10° | 1394.6 | 1393.6 | 1397.2 | 1396.7 | 1401.2 | 1404.3 | 1406.3 | 1412.9 | 1422.1 | 1427.2 | 1431.7 |
| 12.5° | 1335.2 | 1335.2 | 1337.2 | 1337.7 | 1341.8 | 1345.8 | 1348.4 | 1356.5 | 1364.1 | 1370.7 | 1380.9 |
| 15° | 1272.1 | 1270.1 | 1265.5 | 1265.0 | 1266.5 | 1270.6 | 1276.2 | 1282.3 | 1294.0 | 1303.6 | 1312.3 |
| 17.5° | 1206.1 | 1200.0 | 1194.4 | 1187.3 | 1186.8 | 1186.2 | 1189.3 | 1193.9 | 1212.2 | 1221.8 | 1234.0 |
| 20° | 1147.6 | 1134.4 | 1121.2 | 1106.5 | 1097.8 | 1093.7 | 1095.3 | 1101.4 | 1118.6 | 1131.4 | 1144.1 |
| 22.5° | 1095.3 | 1075.4 | 1054.6 | 1031.2 | 1017.0 | 1008.4 | 1009.4 | 1011.9 | 1024.6 | 1032.2 | 1038.9 |
| 25° | 1050.5 | 1023.1 | 994.1 | 964.1 | 944.3 | 931.1 | 930.6 | 930.6 | 925.0 | 926.0 | 922.5 |
| 27.5° | 1020.0 | 981.9 | 944.8 | 909.8 | 883.8 | 870.6 | 852.8 | 840.1 | 828.9 | 813.7 | 807.1 |
| 30° | 990.6 | 951.4 | 909.3 | 870.6 | 839.6 | 813.7 | 780.7 | 753.2 | 731.4 | 710.5 | 692.7 |
| 32.5° | 964.1 | 923.5 | 883.3 | 841.1 | 798.5 | 753.7 | 710.5 | 679.0 | 648.0 | 616.0 | 594.6 |
| 35° | 940.8 | 902.6 | 862.5 | 814.7 | 754.7 | 696.3 | 647.5 | 604.8 | 568.2 | 529.6 | 498.6 |
| 37.5° | 927.5 | 893.0 | 851.3 | 786.3 | 711.0 | 644.5 | 590.1 | 542.3 | 493.5 | 447.3 | 409.1 |
| 40° | 920.9 | 890.4 | 839.6 | 757.3 | 671.9 | 600.7 | 540.3 | 482.8 | 425.4 | 371.0 | 331.4 |
| 42.5° | 919.9 | 890.4 | 822.3 | 727.8 | 638.4 | 562.1 | 494.5 | 425.4 | 355.8 | 302.9 | 267.8 |
| 45° | 929.1 | 889.4 | 804.0 | 701.4 | 608.4 | 527.6 | 446.2 | 364.9 | 293.3 | 247.0 | 227.7 |
| 47.5° | 955.5 | 893.0 | 789.8 | 679.0 | 579.9 | 489.4 | 391.3 | 297.8 | 236.8 | 216.0 | 215.5 |
| 50° | 998.2 | 909.3 | 786.8 | 662.8 | 552.0 | 441.7 | 326.8 | 238.4 | 208.9 | 207.9 | 213.5 |
| 52.5° | 1065.8 | 939.7 | 794.4 | 651.6 | 518.4 | 379.7 | 258.7 | 205.8 | 200.2 | 205.8 | 213.0 |
| 55° | 1214.7 | 994.1 | 804.6 | 631.7 | 464.0 | 300.9 | 213.0 | 195.2 | 197.7 | 204.3 | 210.9 |
| 57.5° | 1485.6 | 1107.0 | 815.2 | 587.0 | 376.1 | 231.3 | 191.6 | 191.1 | 195.7 | 201.3 | 207.4 |
| 60° | 1657.4 | 1246.2 | 841.1 | 521.0 | 284.1 | 191.1 | 183.5 | 188.6 | 194.1 | 198.2 | 203.3 |
| 62.5° | 1663.0 | 1282.8 | 854.9 | 450.3 | 211.4 | 174.8 | 176.4 | 186.0 | 192.6 | 194.1 | 196.7 |
| 65° | 1555.7 | 1213.7 | 792.9 | 366.4 | 175.3 | 165.7 | 171.3 | 179.9 | 186.5 | 187.5 | 189.6 |
| 67.5° | 1359.0 | 1070.4 | 671.9 | 276.5 | 159.6 | 158.6 | 164.7 | 171.3 | 175.9 | 179.9 | 183.0 |
| 70° | 1023.6 | 883.3 | 540.3 | 214.5 | 149.9 | 148.9 | 155.0 | 160.6 | 164.7 | 169.8 | 174.8 |
| 72.5° | 518.9 | 611.4 | 409.6 | 175.3 | 136.7 | 137.7 | 144.3 | 149.4 | 152.5 | 157.0 | 162.1 |
| 75° | 176.9 | 266.8 | 259.2 | 141.8 | 122.0 | 126.0 | 129.1 | 134.7 | 139.3 | 142.3 | 144.8 |
| 77.5° | 110.8 | 115.9 | 133.7 | 114.4 | 107.7 | 108.8 | 113.8 | 118.9 | 124.0 | 126.0 | 127.1 |
| 80° | 92.5 | 93.0 | 93.5 | 91.5 | 92.0 | 95.0 | 98.1 | 103.7 | 108.8 | 109.8 | 110.3 |
| 82.5° | 73.2 | 78.3 | 77.8 | 77.3 | 79.8 | 82.8 | 84.9 | 86.9 | 88.9 | 90.0 | 91.5 |
| 85° | 64.5 | 63.5 | 64.0 | 65.6 | 63.5 | 61.5 | 61.0 | 61.0 | 64.0 | 67.6 | 69.1 |
| 87.5° | 59.0 | 50.3 | 37.6 | 35.6 | 35.6 | 34.6 | 32.5 | 32.5 | 35.6 | 38.6 | 40.2 |
| 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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CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1514.6 | 1514.6 | 1514.6 | 1514.6 | 1514.6 |
| 2.5° | 1505.4 | 1505.9 | 1505.4 | 1505.4 | 1508.0 |
| 5° | 1494.2 | 1496.3 | 1495.3 | 1496.8 | 1498.3 |
| 7.5° | 1471.4 | 1476.5 | 1477.5 | 1481.5 | 1480.0 |
| 10° | 1438.3 | 1441.9 | 1447.0 | 1451.0 | 1449.5 |
| 12.5° | 1386.0 | 1394.6 | 1402.2 | 1406.8 | 1405.8 |
| 15° | 1319.4 | 1331.6 | 1341.8 | 1345.3 | 1341.3 |
| 17.5° | 1248.3 | 1255.9 | 1268.1 | 1270.6 | 1274.7 |
| 20° | 1158.3 | 1157.8 | 1168.5 | 1168.5 | 1166.4 |
| 22.5° | 1040.9 | 1048.5 | 1048.5 | 1041.4 | 1037.8 |
| 25° | 920.9 | 923.5 | 915.9 | 917.4 | 907.7 |
| 27.5° | 800.5 | 793.9 | 787.8 | 790.3 | 783.2 |
| 30° | 685.6 | 671.4 | 665.3 | 666.3 | 658.7 |
| 32.5° | 575.3 | 558.6 | 552.5 | 544.3 | 537.7 |
| 35° | 475.2 | 448.8 | 433.0 | 429.0 | 433.5 |
| 37.5° | 377.1 | 358.3 | 339.5 | 325.8 | 327.3 |
| 40° | 298.3 | 279.0 | 266.8 | 261.2 | 260.2 |
| 42.5° | 246.5 | 235.3 | 232.8 | 233.3 | 233.3 |
| 45° | 223.6 | 224.1 | 226.2 | 228.2 | 228.7 |
| 47.5° | 219.1 | 222.1 | 225.7 | 228.2 | 228.7 |
| 50° | 218.5 | 221.6 | 224.1 | 227.2 | 228.2 |
| 52.5° | 218.0 | 220.1 | 221.6 | 223.1 | 224.6 |
| 55° | 216.0 | 217.0 | 216.5 | 217.5 | 219.1 |
| 57.5° | 210.9 | 211.4 | 210.4 | 210.9 | 214.0 |
| 60° | 206.3 | 206.9 | 204.8 | 207.4 | 207.9 |
| 62.5° | 200.8 | 200.2 | 199.2 | 200.8 | 200.8 |
| 65° | 192.6 | 189.6 | 190.6 | 192.1 | 192.6 |
| 67.5° | 183.0 | 179.9 | 179.9 | 180.9 | 182.5 |
| 70° | 170.8 | 169.2 | 169.2 | 171.3 | 173.3 |
| 72.5° | 157.0 | 158.1 | 161.1 | 164.2 | 167.2 |
| 75° | 145.9 | 148.4 | 151.5 | 159.1 | 163.7 |
| 77.5° | 131.6 | 132.1 | 134.7 | 142.3 | 150.4 |
| 80° | 111.8 | 111.3 | 111.8 | 112.8 | 114.4 |
| 82.5° | 88.4 | 87.4 | 84.4 | 85.4 | 83.4 |
| 85° | 65.1 | 63.5 | 60.0 | 57.4 | 56.9 |
| 87.5° | 37.6 | 37.6 | 36.1 | 34.1 | 32.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)