

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: P145064

Luminaire Tested: **OVH-F03-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145064
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-F03-LED-E-U-SL2-7030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6623 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - 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

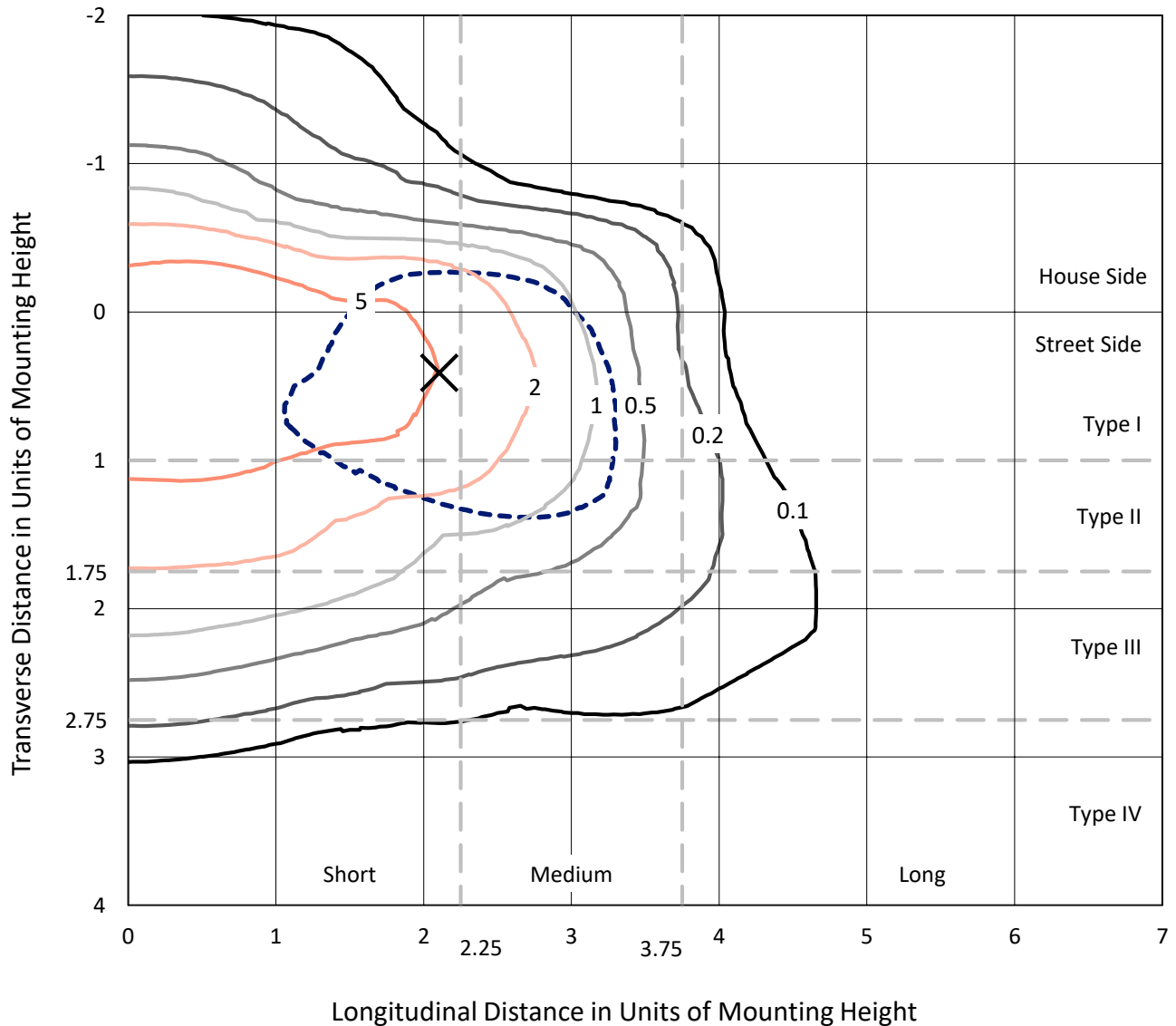


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

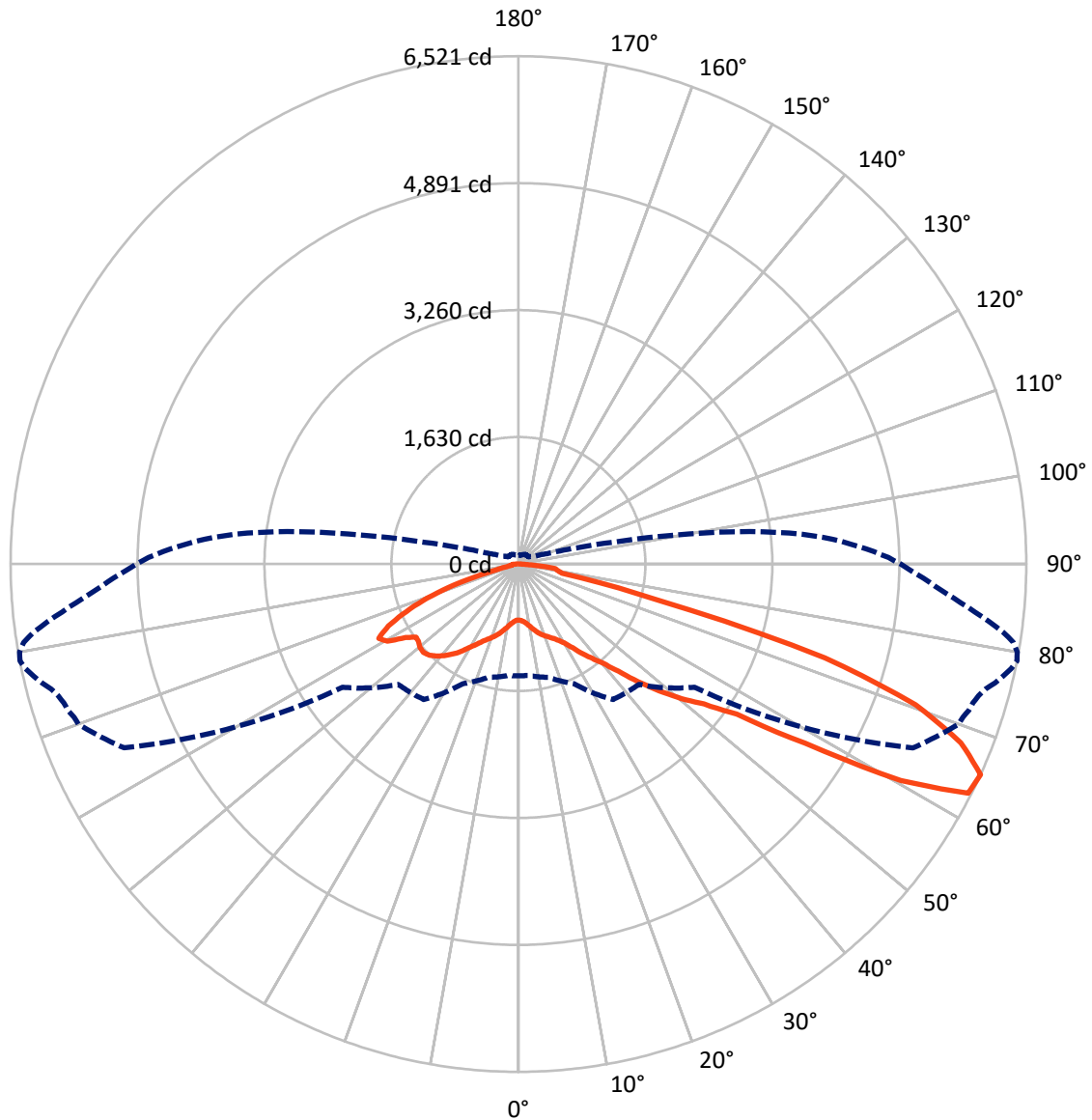


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - Semi-Cutoff

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CATALOG NUMBER: OVH-F03-LED-E-U-SL2-7030

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1503.3 | 0.0 | 1503.3 |
| | % Fixture | 22.7 | 0.0 | 22.7 |
| Street Side | Lumens | 5119.7 | 0.0 | 5119.7 |
| | % Fixture | 77.3 | 0.0 | 77.3 |
| Total | Lumens | 6623.0 | 0.0 | 6623.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.5 | 1.1 |
| 10°-20° | 232.6 | 3.5 |
| 20°-30° | 400.9 | 6.1 |
| 30°-40° | 653.8 | 9.9 |
| 40°-50° | 1091.5 | 16.5 |
| 50°-60° | 1475.9 | 22.3 |
| 60°-70° | 1833.6 | 27.7 |
| 70°-80° | 734.2 | 11.1 |
| 80°-90° | 129.0 | 1.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 6623.0 | 100.0 |
| 0°-180° | 6623.0 | 100.0 |



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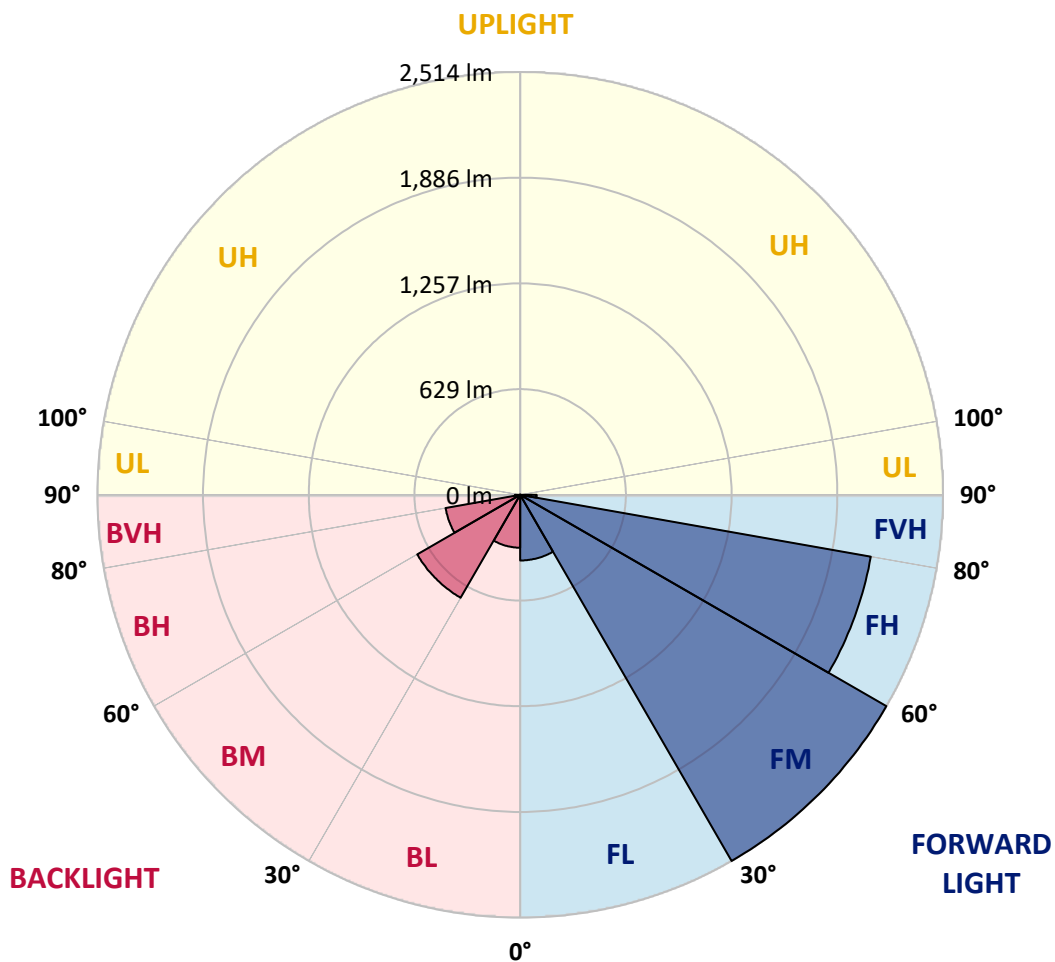
CATALOG NUMBER: OVH-F03-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 390.5 | 5.9 | | | |
| FM | (30°-60°) | 2514.2 | 38.0 | | | |
| FH | (60°-80°) | 2117.1 | 32.0 | | | G2/5000 |
| FVH | (80°-90°) | 97.9 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 314.4 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 707.1 | 10.7 | B1/1000 | | |
| BH | (60°-80°) | 450.7 | 6.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 31.2 | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 71° | 72° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 |
| 2.5° | 725.2 | 724.7 | 727.0 | 728.8 | 728.8 | 729.7 | 729.3 | 726.5 | 727.0 | 727.9 | 727.0 |
| 5° | 733.3 | 731.5 | 733.8 | 736.5 | 738.3 | 740.6 | 742.8 | 743.3 | 745.1 | 745.1 | 744.6 |
| 7.5° | 751.0 | 749.6 | 752.8 | 753.7 | 757.8 | 761.4 | 765.9 | 769.1 | 770.9 | 771.8 | 773.1 |
| 10° | 781.3 | 780.4 | 781.3 | 783.1 | 784.9 | 789.0 | 796.7 | 803.5 | 807.5 | 807.5 | 809.3 |
| 12.5° | 817.9 | 814.3 | 815.2 | 811.6 | 812.5 | 821.1 | 830.1 | 841.5 | 848.2 | 849.1 | 850.1 |
| 15° | 846.4 | 844.6 | 843.3 | 838.3 | 841.9 | 853.2 | 867.2 | 883.5 | 889.4 | 894.4 | 893.9 |
| 17.5° | 873.1 | 870.9 | 867.7 | 860.9 | 864.5 | 882.6 | 903.9 | 922.0 | 931.9 | 932.8 | 933.7 |
| 20° | 904.8 | 902.1 | 896.2 | 882.2 | 881.3 | 906.6 | 935.1 | 954.6 | 963.6 | 967.7 | 969.0 |
| 22.5° | 945.1 | 941.4 | 930.6 | 903.4 | 896.2 | 926.1 | 960.0 | 984.0 | 993.5 | 997.5 | 999.8 |
| 25° | 996.6 | 989.4 | 972.2 | 929.7 | 914.7 | 946.0 | 986.7 | 1015.6 | 1028.7 | 1032.8 | 1035.5 |
| 27.5° | 1043.2 | 1037.8 | 1017.0 | 966.8 | 941.0 | 972.7 | 1019.2 | 1056.3 | 1074.4 | 1079.4 | 1083.5 |
| 30° | 1097.5 | 1089.8 | 1073.1 | 1019.7 | 985.3 | 1013.4 | 1072.6 | 1119.7 | 1141.8 | 1142.3 | 1151.3 |
| 32.5° | 1225.1 | 1220.1 | 1204.7 | 1145.9 | 1088.0 | 1089.8 | 1145.0 | 1209.7 | 1231.9 | 1235.5 | 1243.6 |
| 35° | 1414.2 | 1412.4 | 1411.9 | 1379.4 | 1336.4 | 1292.0 | 1296.1 | 1345.4 | 1360.4 | 1366.2 | 1369.0 |
| 37.5° | 1538.6 | 1554.4 | 1592.9 | 1616.4 | 1605.6 | 1615.1 | 1565.3 | 1505.1 | 1496.5 | 1490.2 | 1492.9 |
| 40° | 1645.8 | 1659.8 | 1737.7 | 1846.2 | 1912.3 | 1958.9 | 1915.0 | 1730.4 | 1661.7 | 1641.7 | 1634.1 |
| 42.5° | 1709.2 | 1725.0 | 1836.3 | 2010.0 | 2178.3 | 2288.7 | 2300.4 | 2043.9 | 1869.3 | 1867.0 | 1838.1 |
| 45° | 1743.5 | 1759.4 | 1892.4 | 2126.3 | 2364.2 | 2563.3 | 2666.4 | 2429.8 | 2173.3 | 2154.3 | 2114.0 |
| 47.5° | 1736.7 | 1751.7 | 1890.1 | 2169.2 | 2474.2 | 2745.6 | 2951.9 | 2819.8 | 2523.9 | 2478.2 | 2422.6 |
| 50° | 1654.0 | 1664.8 | 1810.0 | 2099.1 | 2444.7 | 2821.6 | 3147.3 | 3177.6 | 2920.7 | 2858.7 | 2775.4 |
| 52.5° | 1568.5 | 1587.9 | 1708.2 | 1974.7 | 2311.3 | 2774.5 | 3264.0 | 3503.4 | 3291.2 | 3248.7 | 3141.9 |
| 55° | 1522.3 | 1537.7 | 1635.9 | 1863.4 | 2170.6 | 2613.9 | 3312.4 | 3810.5 | 3741.3 | 3724.1 | 3648.6 |
| 57.5° | 1520.5 | 1535.4 | 1613.7 | 1796.0 | 2056.1 | 2446.6 | 3326.5 | 4285.1 | 4488.2 | 4492.7 | 4471.0 |
| 60° | 1594.7 | 1610.1 | 1675.7 | 1828.6 | 2020.9 | 2303.1 | 3276.3 | 4958.3 | 5407.0 | 5446.8 | 5513.4 |
| 62.5° | 1605.1 | 1612.3 | 1691.5 | 1897.8 | 2149.3 | 2195.9 | 3069.5 | 5518.8 | 6038.6 | 6075.2 | 6111.9 |
| 65° | 1435.9 | 1435.5 | 1505.6 | 1695.6 | 2122.6 | 2185.1 | 2758.7 | 5587.5 | 6013.2 | 6035.4 | 6081.1 |
| 67.5° | 1070.8 | 1061.8 | 1101.6 | 1275.3 | 1684.3 | 2187.8 | 2390.5 | 5068.6 | 5544.6 | 5586.6 | 5602.0 |
| 70° | 551.9 | 565.9 | 593.1 | 699.4 | 1069.5 | 1761.2 | 2053.4 | 4276.5 | 4867.3 | 4883.2 | 4937.9 |
| 72.5° | 226.7 | 220.8 | 239.3 | 294.1 | 535.2 | 1164.0 | 1698.7 | 3374.9 | 4020.0 | 4009.1 | 4019.1 |
| 75° | 126.2 | 128.0 | 133.5 | 153.4 | 260.1 | 584.5 | 1459.4 | 2389.1 | 2733.8 | 2546.5 | 2490.0 |
| 77.5° | 101.3 | 102.2 | 102.7 | 106.3 | 142.1 | 311.7 | 1120.1 | 1573.4 | 1374.8 | 1276.7 | 1239.1 |
| 80° | 74.2 | 79.2 | 84.6 | 85.5 | 97.7 | 176.9 | 614.4 | 1324.6 | 1160.4 | 1079.0 | 1012.0 |
| 82.5° | 59.7 | 62.0 | 73.7 | 75.6 | 77.8 | 105.4 | 278.2 | 1244.1 | 1155.9 | 1072.6 | 980.3 |
| 85° | 35.7 | 39.8 | 60.2 | 60.6 | 61.5 | 64.2 | 153.8 | 506.7 | 630.2 | 556.9 | 509.9 |
| 87.5° | 12.7 | 16.3 | 29.9 | 24.9 | 31.7 | 26.2 | 67.4 | 169.6 | 209.0 | 198.6 | 176.0 |
| 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: OVH-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

| | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 |
| 2.5° | 726.5 | 726.5 | 727.5 | 727.0 | 727.0 | 727.0 | 727.0 | 726.1 | 726.1 | 724.7 | 725.6 |
| 5° | 744.6 | 744.2 | 744.6 | 745.1 | 744.6 | 745.5 | 745.1 | 744.6 | 745.1 | 744.6 | 745.1 |
| 7.5° | 773.6 | 771.3 | 774.5 | 772.7 | 772.2 | 775.0 | 773.6 | 775.0 | 775.4 | 775.0 | 774.5 |
| 10° | 810.2 | 811.6 | 811.6 | 811.6 | 810.7 | 813.4 | 813.9 | 814.8 | 815.2 | 817.0 | 817.0 |
| 12.5° | 852.3 | 852.8 | 854.6 | 854.1 | 855.0 | 858.2 | 860.5 | 860.9 | 861.4 | 862.7 | 860.9 |
| 15° | 897.6 | 898.5 | 898.5 | 902.5 | 901.2 | 905.7 | 907.1 | 907.1 | 907.5 | 912.9 | 913.4 |
| 17.5° | 937.8 | 937.8 | 941.4 | 941.4 | 945.1 | 946.0 | 950.0 | 950.5 | 952.3 | 957.3 | 957.7 |
| 20° | 971.7 | 973.6 | 975.8 | 978.5 | 979.9 | 982.6 | 985.3 | 988.0 | 990.3 | 994.4 | 994.8 |
| 22.5° | 1003.9 | 1005.7 | 1009.3 | 1011.1 | 1014.3 | 1016.1 | 1018.3 | 1021.5 | 1025.1 | 1030.6 | 1031.9 |
| 25° | 1041.0 | 1042.8 | 1046.8 | 1049.6 | 1053.2 | 1055.9 | 1060.0 | 1064.0 | 1066.3 | 1071.7 | 1075.8 |
| 27.5° | 1088.0 | 1093.4 | 1098.9 | 1100.2 | 1102.9 | 1109.3 | 1114.7 | 1120.1 | 1125.1 | 1127.8 | 1132.8 |
| 30° | 1156.8 | 1156.8 | 1168.1 | 1168.1 | 1173.1 | 1178.9 | 1182.6 | 1188.4 | 1197.5 | 1200.2 | 1206.5 |
| 32.5° | 1249.1 | 1251.3 | 1255.4 | 1267.6 | 1276.7 | 1279.4 | 1282.1 | 1290.7 | 1296.1 | 1302.9 | 1310.6 |
| 35° | 1380.7 | 1383.0 | 1385.2 | 1397.0 | 1407.4 | 1410.1 | 1412.8 | 1418.3 | 1427.3 | 1439.1 | 1435.5 |
| 37.5° | 1498.8 | 1500.1 | 1507.4 | 1520.5 | 1526.4 | 1533.6 | 1535.9 | 1545.8 | 1550.8 | 1561.7 | 1562.1 |
| 40° | 1640.8 | 1637.7 | 1641.7 | 1656.7 | 1665.7 | 1665.3 | 1672.5 | 1690.6 | 1694.2 | 1699.2 | 1711.9 |
| 42.5° | 1839.0 | 1827.2 | 1839.9 | 1844.9 | 1858.4 | 1867.0 | 1881.5 | 1893.7 | 1902.3 | 1921.3 | 1930.4 |
| 45° | 2095.0 | 2082.8 | 2093.2 | 2095.5 | 2123.5 | 2132.1 | 2153.9 | 2170.1 | 2188.7 | 2210.4 | 2216.7 |
| 47.5° | 2386.8 | 2364.2 | 2351.6 | 2365.6 | 2399.1 | 2413.1 | 2434.3 | 2449.7 | 2469.2 | 2480.5 | 2476.9 |
| 50° | 2724.8 | 2670.5 | 2645.2 | 2637.9 | 2661.9 | 2681.8 | 2714.8 | 2722.1 | 2731.1 | 2730.7 | 2731.1 |
| 52.5° | 3101.6 | 3045.1 | 2992.1 | 2955.5 | 2951.9 | 2978.6 | 2986.7 | 2988.5 | 2985.8 | 2965.5 | 2952.8 |
| 55° | 3593.8 | 3589.8 | 3534.1 | 3458.1 | 3453.1 | 3450.0 | 3402.5 | 3396.6 | 3385.7 | 3354.5 | 3311.5 |
| 57.5° | 4486.9 | 4532.1 | 4495.5 | 4493.7 | 4453.8 | 4427.6 | 4340.3 | 4296.9 | 4251.2 | 4166.6 | 4099.2 |
| 60° | 5519.2 | 5584.8 | 5621.0 | 5636.9 | 5714.7 | 5714.7 | 5643.2 | 5581.7 | 5507.5 | 5378.5 | 5252.8 |
| 62.5° | 6140.8 | 6198.3 | 6251.7 | 6335.4 | 6434.4 | 6478.3 | 6481.9 | 6427.2 | 6333.5 | 6186.5 | 6008.7 |
| 65° | 6101.5 | 6144.0 | 6208.7 | 6307.3 | 6389.2 | 6467.9 | 6520.8 | 6504.1 | 6432.6 | 6285.6 | 6092.0 |
| 67.5° | 5655.9 | 5717.8 | 5801.5 | 5892.5 | 5968.5 | 6042.7 | 6128.2 | 6134.5 | 6115.5 | 5975.7 | 5800.6 |
| 70° | 4968.2 | 5047.8 | 5100.8 | 5215.2 | 5249.6 | 5324.7 | 5410.7 | 5451.8 | 5421.1 | 5313.4 | 5210.7 |
| 72.5° | 4036.3 | 4099.2 | 4108.2 | 4058.4 | 4075.6 | 4094.2 | 4115.0 | 4018.6 | 3981.5 | 3837.7 | 3771.6 |
| 75° | 2447.5 | 2364.7 | 2295.0 | 2225.8 | 2019.0 | 1945.8 | 1833.1 | 1611.0 | 1585.6 | 1433.2 | 1327.3 |
| 77.5° | 1164.0 | 1129.2 | 1066.3 | 960.9 | 820.6 | 686.3 | 569.6 | 462.8 | 423.0 | 348.3 | 296.8 |
| 80° | 974.5 | 932.8 | 876.3 | 798.0 | 699.9 | 602.1 | 509.9 | 430.7 | 351.1 | 285.9 | 228.5 |
| 82.5° | 893.9 | 821.6 | 741.9 | 674.5 | 605.3 | 538.8 | 476.8 | 405.3 | 363.3 | 293.2 | 239.3 |
| 85° | 451.9 | 395.8 | 320.7 | 270.1 | 228.0 | 185.5 | 160.6 | 137.1 | 122.1 | 97.3 | 84.6 |
| 87.5° | 151.6 | 124.0 | 92.3 | 78.3 | 70.6 | 60.6 | 55.6 | 52.9 | 51.6 | 45.7 | 40.7 |
| 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):

| | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 |
| 2.5° | 725.6 | 725.6 | 725.6 | 725.6 | 725.2 | 725.2 | 725.2 | 725.2 | 725.2 | 725.2 | 725.6 |
| 5° | 744.2 | 744.2 | 744.6 | 746.0 | 743.3 | 744.2 | 745.1 | 743.7 | 745.1 | 743.7 | 745.5 |
| 7.5° | 774.0 | 775.4 | 774.5 | 776.3 | 775.4 | 778.1 | 776.3 | 775.0 | 775.9 | 775.9 | 776.3 |
| 10° | 816.1 | 817.9 | 816.6 | 817.5 | 817.5 | 819.3 | 817.0 | 817.5 | 817.9 | 817.0 | 817.5 |
| 12.5° | 862.7 | 863.6 | 863.2 | 865.9 | 864.5 | 865.9 | 864.5 | 866.3 | 867.2 | 868.1 | 868.1 |
| 15° | 913.4 | 914.3 | 917.0 | 916.6 | 919.3 | 918.4 | 918.8 | 916.6 | 921.1 | 918.4 | 919.3 |
| 17.5° | 960.0 | 959.5 | 963.2 | 964.5 | 965.0 | 965.4 | 966.8 | 965.0 | 965.4 | 966.8 | 965.9 |
| 20° | 996.2 | 999.3 | 1000.2 | 1003.9 | 1006.6 | 1007.5 | 1007.0 | 1008.4 | 1010.2 | 1008.4 | 1008.4 |
| 22.5° | 1034.6 | 1039.2 | 1040.5 | 1042.8 | 1045.5 | 1045.9 | 1048.7 | 1050.0 | 1050.9 | 1050.5 | 1050.9 |
| 25° | 1080.8 | 1083.9 | 1087.1 | 1091.6 | 1094.8 | 1095.3 | 1097.5 | 1099.3 | 1099.8 | 1099.3 | 1102.0 |
| 27.5° | 1137.3 | 1141.4 | 1145.5 | 1150.9 | 1154.5 | 1155.4 | 1160.4 | 1160.4 | 1163.1 | 1164.5 | 1165.4 |
| 30° | 1210.2 | 1211.5 | 1221.9 | 1227.4 | 1226.0 | 1232.3 | 1239.1 | 1238.7 | 1241.8 | 1242.7 | 1245.0 |
| 32.5° | 1316.0 | 1316.0 | 1325.1 | 1331.9 | 1339.1 | 1336.8 | 1347.2 | 1345.4 | 1350.4 | 1353.1 | 1351.8 |
| 35° | 1444.5 | 1449.0 | 1455.8 | 1459.9 | 1467.6 | 1471.6 | 1478.9 | 1483.0 | 1485.2 | 1484.8 | 1479.8 |
| 37.5° | 1577.1 | 1584.3 | 1587.0 | 1597.0 | 1604.6 | 1611.4 | 1612.3 | 1607.8 | 1609.6 | 1600.6 | 1597.9 |
| 40° | 1728.6 | 1739.0 | 1745.3 | 1760.3 | 1759.4 | 1768.0 | 1768.9 | 1755.7 | 1753.5 | 1741.7 | 1729.5 |
| 42.5° | 1940.3 | 1954.8 | 1959.8 | 1971.1 | 1962.0 | 1966.1 | 1943.5 | 1938.1 | 1920.0 | 1901.0 | 1873.4 |
| 45° | 2225.8 | 2218.6 | 2221.7 | 2218.6 | 2194.6 | 2176.9 | 2158.4 | 2131.7 | 2105.0 | 2068.4 | 2029.0 |
| 47.5° | 2476.9 | 2480.5 | 2457.0 | 2442.0 | 2403.1 | 2378.2 | 2344.3 | 2297.7 | 2265.1 | 2215.8 | 2163.8 |
| 50° | 2720.7 | 2680.4 | 2647.4 | 2613.0 | 2578.7 | 2533.0 | 2481.8 | 2440.7 | 2393.2 | 2331.6 | 2267.9 |
| 52.5° | 2918.9 | 2866.8 | 2827.0 | 2778.2 | 2731.6 | 2680.9 | 2627.5 | 2567.8 | 2505.4 | 2443.8 | 2365.1 |
| 55° | 3269.9 | 3194.4 | 3143.2 | 3057.7 | 3004.8 | 2933.8 | 2892.2 | 2814.8 | 2727.9 | 2646.5 | 2562.8 |
| 57.5° | 4023.2 | 3910.1 | 3851.7 | 3803.3 | 3721.0 | 3604.2 | 3530.0 | 3402.9 | 3279.0 | 3192.1 | 3052.8 |
| 60° | 5157.8 | 5042.9 | 4946.0 | 4831.6 | 4705.4 | 4547.0 | 4476.5 | 4326.7 | 4149.4 | 4006.0 | 3821.8 |
| 62.5° | 5864.9 | 5706.1 | 5549.1 | 5388.5 | 5261.8 | 5137.9 | 4991.7 | 4840.6 | 4665.1 | 4470.1 | 4268.8 |
| 65° | 5893.4 | 5702.9 | 5515.2 | 5351.4 | 5203.0 | 5042.0 | 4904.9 | 4751.5 | 4566.9 | 4366.1 | 4157.1 |
| 67.5° | 5597.5 | 5384.4 | 5183.1 | 5003.5 | 4833.9 | 4684.6 | 4541.2 | 4396.8 | 4199.1 | 4030.8 | 3816.9 |
| 70° | 5008.0 | 4813.5 | 4631.2 | 4426.7 | 4296.9 | 4129.0 | 3989.2 | 3837.2 | 3695.6 | 3538.2 | 3337.8 |
| 72.5° | 3678.4 | 3531.9 | 3323.8 | 3236.9 | 3167.2 | 2989.4 | 2885.4 | 2872.7 | 2782.2 | 2593.6 | 2443.8 |
| 75° | 1368.0 | 1164.5 | 1102.9 | 1139.6 | 1078.5 | 1098.9 | 1091.2 | 1047.7 | 1049.6 | 1017.4 | 979.4 |
| 77.5° | 267.8 | 248.8 | 233.9 | 238.0 | 221.2 | 214.0 | 229.4 | 224.8 | 216.7 | 219.0 | 215.3 |
| 80° | 182.3 | 154.3 | 139.8 | 134.4 | 127.6 | 124.4 | 123.5 | 122.1 | 119.4 | 118.1 | 114.0 |
| 82.5° | 179.6 | 133.5 | 105.4 | 90.5 | 85.1 | 82.3 | 80.1 | 79.6 | 78.7 | 78.3 | 79.6 |
| 85° | 71.5 | 57.9 | 52.9 | 48.4 | 47.0 | 45.7 | 45.7 | 45.2 | 44.8 | 45.7 | 47.5 |
| 87.5° | 34.8 | 29.4 | 26.7 | 24.4 | 23.5 | 23.1 | 23.1 | 23.5 | 24.0 | 25.8 | 29.4 |
| 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: P145064

CATALOG NUMBER: OVH-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

| | 95° | 96° | 97° | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 |
| 2.5° | 724.7 | 725.2 | 724.3 | 724.7 | 724.3 | 723.4 | 722.9 | 724.3 | 723.8 | 723.4 | 723.4 |
| 5° | 743.3 | 745.1 | 744.2 | 743.3 | 743.3 | 742.8 | 742.8 | 742.8 | 742.4 | 742.8 | 741.5 |
| 7.5° | 775.4 | 775.0 | 775.0 | 774.0 | 773.1 | 774.0 | 773.6 | 772.2 | 772.7 | 771.8 | 770.4 |
| 10° | 816.6 | 815.2 | 817.5 | 817.5 | 815.7 | 815.2 | 814.3 | 813.0 | 813.0 | 811.6 | 811.6 |
| 12.5° | 865.4 | 864.1 | 867.2 | 865.0 | 862.3 | 861.8 | 859.1 | 858.2 | 859.6 | 859.1 | 858.2 |
| 15° | 915.2 | 915.6 | 917.0 | 916.6 | 913.4 | 913.4 | 909.8 | 910.2 | 907.5 | 906.6 | 904.3 |
| 17.5° | 963.6 | 964.1 | 962.7 | 962.7 | 960.4 | 959.1 | 955.0 | 955.5 | 953.7 | 950.0 | 947.3 |
| 20° | 1007.0 | 1006.6 | 1003.4 | 1006.1 | 1001.6 | 1000.7 | 997.1 | 993.5 | 994.4 | 990.7 | 985.3 |
| 22.5° | 1049.6 | 1048.7 | 1047.7 | 1046.4 | 1044.1 | 1043.2 | 1039.2 | 1038.7 | 1034.2 | 1028.7 | 1024.2 |
| 25° | 1098.9 | 1098.4 | 1097.1 | 1097.5 | 1093.0 | 1093.4 | 1086.2 | 1084.4 | 1081.7 | 1075.8 | 1072.2 |
| 27.5° | 1162.7 | 1162.7 | 1159.0 | 1157.7 | 1156.3 | 1154.5 | 1148.2 | 1143.7 | 1136.9 | 1130.1 | 1122.8 |
| 30° | 1240.9 | 1240.0 | 1239.1 | 1235.5 | 1230.5 | 1227.8 | 1216.5 | 1209.3 | 1200.2 | 1187.5 | 1176.7 |
| 32.5° | 1352.7 | 1345.0 | 1338.6 | 1330.5 | 1322.4 | 1313.8 | 1296.1 | 1283.9 | 1269.4 | 1249.1 | 1231.9 |
| 35° | 1477.1 | 1464.0 | 1457.2 | 1440.4 | 1425.0 | 1407.9 | 1386.6 | 1361.7 | 1341.8 | 1315.1 | 1287.1 |
| 37.5° | 1579.8 | 1569.8 | 1551.7 | 1532.7 | 1511.0 | 1478.4 | 1454.5 | 1427.8 | 1392.9 | 1363.5 | 1329.6 |
| 40° | 1706.4 | 1683.8 | 1658.0 | 1626.4 | 1596.5 | 1559.9 | 1526.8 | 1488.4 | 1445.9 | 1403.3 | 1359.0 |
| 42.5° | 1839.4 | 1804.6 | 1762.1 | 1725.4 | 1680.2 | 1632.2 | 1589.3 | 1537.2 | 1483.0 | 1426.0 | 1366.7 |
| 45° | 1975.2 | 1932.2 | 1875.6 | 1823.6 | 1760.7 | 1700.6 | 1639.0 | 1568.0 | 1493.8 | 1417.8 | 1343.2 |
| 47.5° | 2099.6 | 2036.7 | 1972.4 | 1902.3 | 1829.9 | 1752.6 | 1665.3 | 1572.1 | 1474.4 | 1374.4 | 1281.2 |
| 50° | 2197.3 | 2118.6 | 2037.6 | 1956.6 | 1867.9 | 1767.5 | 1657.6 | 1535.9 | 1415.5 | 1295.7 | 1188.4 |
| 52.5° | 2283.7 | 2195.5 | 2096.0 | 1995.5 | 1886.0 | 1762.5 | 1625.0 | 1481.6 | 1335.0 | 1202.5 | 1082.1 |
| 55° | 2451.1 | 2340.2 | 2209.1 | 2079.7 | 1941.2 | 1785.6 | 1614.1 | 1438.6 | 1269.9 | 1125.6 | 997.5 |
| 57.5° | 2905.7 | 2756.0 | 2552.9 | 2373.3 | 2197.7 | 1971.1 | 1729.5 | 1513.3 | 1298.4 | 1127.8 | 985.3 |
| 60° | 3621.9 | 3378.0 | 3145.5 | 2871.8 | 2587.7 | 2276.9 | 1953.0 | 1661.7 | 1399.7 | 1185.7 | 1014.3 |
| 62.5° | 4037.2 | 3779.8 | 3480.7 | 3149.1 | 2780.9 | 2402.2 | 2030.4 | 1690.2 | 1402.9 | 1169.9 | 979.9 |
| 65° | 3925.0 | 3666.2 | 3337.3 | 2998.0 | 2606.3 | 2219.0 | 1849.8 | 1523.2 | 1244.5 | 1029.2 | 847.3 |
| 67.5° | 3592.0 | 3321.5 | 3012.5 | 2636.1 | 2261.5 | 1902.8 | 1566.2 | 1258.6 | 1012.0 | 811.1 | 650.5 |
| 70° | 3107.5 | 2866.8 | 2569.2 | 2222.2 | 1858.9 | 1536.3 | 1252.7 | 975.4 | 766.8 | 582.7 | 456.0 |
| 72.5° | 2306.3 | 2093.2 | 1907.3 | 1617.3 | 1351.3 | 1098.4 | 867.2 | 678.6 | 499.0 | 377.3 | 290.4 |
| 75° | 968.1 | 896.2 | 865.9 | 759.6 | 660.5 | 541.5 | 407.6 | 324.8 | 263.3 | 223.9 | 177.8 |
| 77.5° | 234.8 | 234.8 | 220.8 | 206.7 | 190.0 | 171.9 | 152.0 | 135.7 | 127.6 | 120.3 | 114.5 |
| 80° | 114.0 | 113.1 | 109.5 | 109.0 | 105.9 | 101.8 | 99.5 | 96.4 | 95.0 | 93.2 | 92.3 |
| 82.5° | 80.1 | 79.6 | 78.3 | 80.1 | 79.6 | 81.4 | 82.3 | 82.8 | 82.8 | 83.2 | 83.7 |
| 85° | 50.7 | 52.5 | 56.1 | 60.6 | 64.7 | 69.7 | 74.2 | 77.8 | 80.5 | 82.8 | 84.6 |
| 87.5° | 32.1 | 36.6 | 39.4 | 46.1 | 52.9 | 60.6 | 69.2 | 72.8 | 76.0 | 76.5 | 73.7 |
| 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: P145064

CATALOG NUMBER: OVH-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

| | 106° | 107° | 108° | 109° | 110° | 115° | 125° | 135° | 145° | 155° | 165° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 | 719.8 |
| 2.5° | 723.4 | 722.9 | 723.8 | 722.9 | 722.9 | 722.5 | 721.1 | 719.8 | 718.4 | 718.0 | 716.6 |
| 5° | 741.0 | 741.0 | 741.9 | 740.1 | 740.6 | 738.8 | 734.7 | 730.2 | 726.1 | 722.5 | 718.4 |
| 7.5° | 770.9 | 769.5 | 770.0 | 769.5 | 768.6 | 765.0 | 756.0 | 744.6 | 733.8 | 722.5 | 713.4 |
| 10° | 810.7 | 808.0 | 808.0 | 807.1 | 805.7 | 800.7 | 781.7 | 759.1 | 736.5 | 716.1 | 701.2 |
| 12.5° | 855.0 | 855.5 | 851.9 | 849.6 | 847.3 | 836.9 | 808.4 | 772.2 | 736.5 | 703.9 | 680.0 |
| 15° | 901.2 | 900.7 | 896.6 | 895.3 | 890.3 | 874.9 | 832.0 | 779.0 | 727.9 | 680.0 | 644.2 |
| 17.5° | 942.8 | 941.0 | 936.9 | 934.2 | 928.8 | 908.4 | 847.8 | 775.9 | 705.3 | 642.4 | 597.6 |
| 20° | 980.8 | 978.5 | 974.9 | 969.9 | 964.5 | 935.1 | 853.7 | 759.6 | 669.5 | 597.6 | 552.4 |
| 22.5° | 1020.2 | 1015.2 | 1011.1 | 1004.3 | 998.4 | 959.1 | 849.6 | 730.6 | 628.8 | 547.9 | 499.4 |
| 25° | 1064.0 | 1058.2 | 1049.6 | 1041.4 | 1032.4 | 978.5 | 838.3 | 694.4 | 580.0 | 494.0 | 445.2 |
| 27.5° | 1111.5 | 1102.9 | 1091.6 | 1081.2 | 1066.7 | 993.0 | 818.8 | 654.2 | 526.6 | 440.6 | 390.0 |
| 30° | 1161.8 | 1145.9 | 1131.9 | 1116.1 | 1097.5 | 999.8 | 790.8 | 604.4 | 467.8 | 386.3 | 335.7 |
| 32.5° | 1210.6 | 1189.3 | 1168.5 | 1145.5 | 1120.1 | 997.1 | 751.0 | 545.6 | 409.0 | 335.7 | 293.2 |
| 35° | 1260.4 | 1229.6 | 1200.7 | 1169.4 | 1138.7 | 983.5 | 696.2 | 480.4 | 353.3 | 293.6 | 262.8 |
| 37.5° | 1294.3 | 1255.9 | 1217.4 | 1179.8 | 1142.8 | 954.1 | 623.4 | 407.6 | 303.1 | 263.3 | 241.1 |
| 40° | 1311.5 | 1264.4 | 1217.4 | 1170.8 | 1125.1 | 905.2 | 538.4 | 341.1 | 267.4 | 240.7 | 224.8 |
| 42.5° | 1306.5 | 1248.2 | 1189.8 | 1134.6 | 1078.5 | 827.4 | 446.1 | 286.4 | 242.5 | 223.0 | 209.0 |
| 45° | 1265.4 | 1195.7 | 1129.2 | 1070.8 | 1000.7 | 727.5 | 366.4 | 252.4 | 223.5 | 208.6 | 195.4 |
| 47.5° | 1188.0 | 1110.2 | 1028.7 | 962.7 | 897.1 | 611.6 | 304.9 | 231.2 | 206.7 | 194.5 | 181.4 |
| 50° | 1089.4 | 999.3 | 917.9 | 846.4 | 782.2 | 503.5 | 262.8 | 213.1 | 193.2 | 182.8 | 168.7 |
| 52.5° | 980.8 | 884.0 | 809.8 | 734.7 | 671.8 | 420.3 | 233.4 | 193.2 | 180.1 | 169.2 | 157.9 |
| 55° | 890.8 | 801.2 | 725.6 | 650.1 | 586.8 | 367.8 | 209.0 | 177.8 | 167.8 | 156.5 | 147.5 |
| 57.5° | 866.8 | 764.5 | 682.2 | 610.7 | 545.6 | 335.7 | 191.4 | 163.8 | 157.0 | 148.4 | 138.4 |
| 60° | 876.7 | 764.1 | 671.8 | 593.5 | 525.2 | 309.9 | 178.2 | 154.3 | 148.8 | 141.1 | 130.7 |
| 62.5° | 841.0 | 722.0 | 628.8 | 545.6 | 480.9 | 277.3 | 168.7 | 149.7 | 146.1 | 135.7 | 124.0 |
| 65° | 716.6 | 607.6 | 518.0 | 446.1 | 390.4 | 233.4 | 161.1 | 153.8 | 150.2 | 132.1 | 119.4 |
| 67.5° | 545.6 | 454.7 | 382.7 | 328.9 | 288.6 | 193.2 | 159.2 | 167.4 | 160.1 | 133.9 | 118.1 |
| 70° | 377.3 | 308.5 | 262.4 | 229.8 | 204.5 | 162.9 | 165.1 | 182.3 | 171.9 | 139.8 | 125.8 |
| 72.5° | 239.3 | 200.0 | 177.3 | 165.1 | 152.9 | 137.5 | 163.8 | 180.5 | 166.5 | 140.7 | 125.8 |
| 75° | 153.4 | 137.1 | 129.4 | 124.9 | 121.2 | 119.9 | 144.3 | 148.4 | 133.9 | 122.1 | 117.2 |
| 77.5° | 108.6 | 105.9 | 104.5 | 104.1 | 104.5 | 107.7 | 119.4 | 111.7 | 97.3 | 97.7 | 100.4 |
| 80° | 91.8 | 91.8 | 90.9 | 91.4 | 92.3 | 93.6 | 95.5 | 82.3 | 74.6 | 80.5 | 89.6 |
| 82.5° | 84.1 | 85.5 | 86.4 | 87.3 | 88.7 | 86.9 | 81.0 | 62.4 | 60.2 | 78.3 | 87.8 |
| 85° | 85.5 | 85.5 | 86.0 | 86.9 | 87.3 | 78.3 | 67.4 | 47.0 | 46.1 | 87.8 | 82.8 |
| 87.5° | 73.3 | 72.4 | 69.2 | 67.0 | 63.8 | 53.8 | 44.8 | 26.2 | 27.1 | 54.3 | 57.9 |
| 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: P145064

CATALOG NUMBER: OVH-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|-------|-------|
| 0° | 719.8 | 719.8 |
| 2.5° | 716.1 | 716.1 |
| 5° | 716.1 | 716.1 |
| 7.5° | 710.3 | 708.5 |
| 10° | 693.1 | 690.8 |
| 12.5° | 666.8 | 664.6 |
| 15° | 626.6 | 623.9 |
| 17.5° | 576.4 | 571.8 |
| 20° | 523.9 | 517.5 |
| 22.5° | 471.4 | 466.4 |
| 25° | 417.6 | 413.0 |
| 27.5° | 364.6 | 360.1 |
| 30° | 315.8 | 314.0 |
| 32.5° | 279.6 | 277.8 |
| 35° | 252.9 | 252.0 |
| 37.5° | 234.8 | 233.9 |
| 40° | 219.0 | 218.1 |
| 42.5° | 204.5 | 203.1 |
| 45° | 190.0 | 190.5 |
| 47.5° | 175.5 | 175.1 |
| 50° | 162.9 | 162.9 |
| 52.5° | 152.5 | 152.0 |
| 55° | 143.0 | 142.5 |
| 57.5° | 133.5 | 133.0 |
| 60° | 125.3 | 124.0 |
| 62.5° | 117.6 | 116.7 |
| 65° | 112.6 | 112.2 |
| 67.5° | 109.0 | 107.7 |
| 70° | 108.1 | 104.5 |
| 72.5° | 105.4 | 100.9 |
| 75° | 99.1 | 96.8 |
| 77.5° | 87.3 | 84.6 |
| 80° | 67.4 | 62.4 |
| 82.5° | 56.5 | 48.9 |
| 85° | 41.6 | 38.5 |
| 87.5° | 30.3 | 24.0 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)