

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: P162143

Luminaire Tested: **OVF-F06-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162143
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-F06-LED-E-U-T2-7050
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15240.1 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

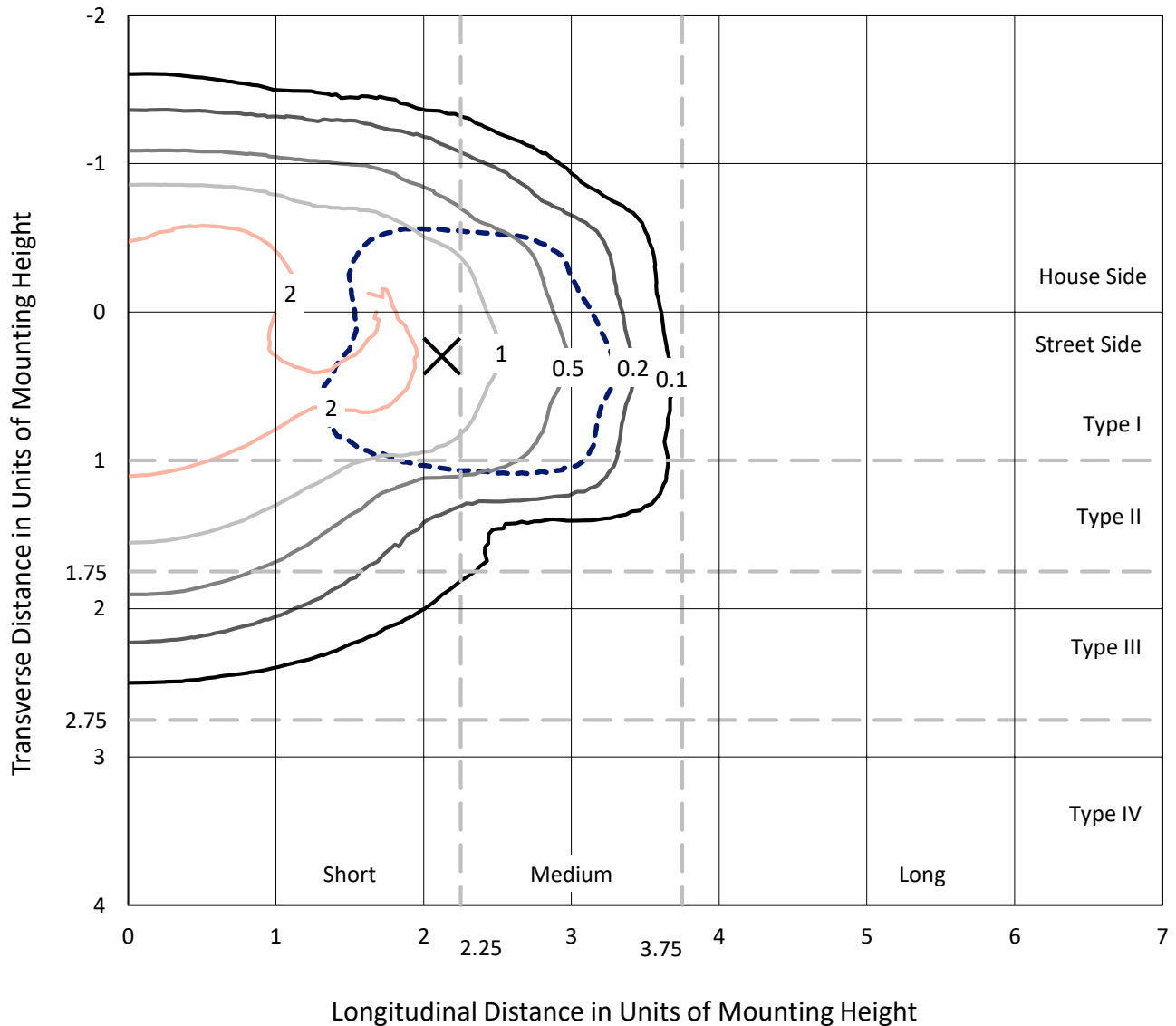
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

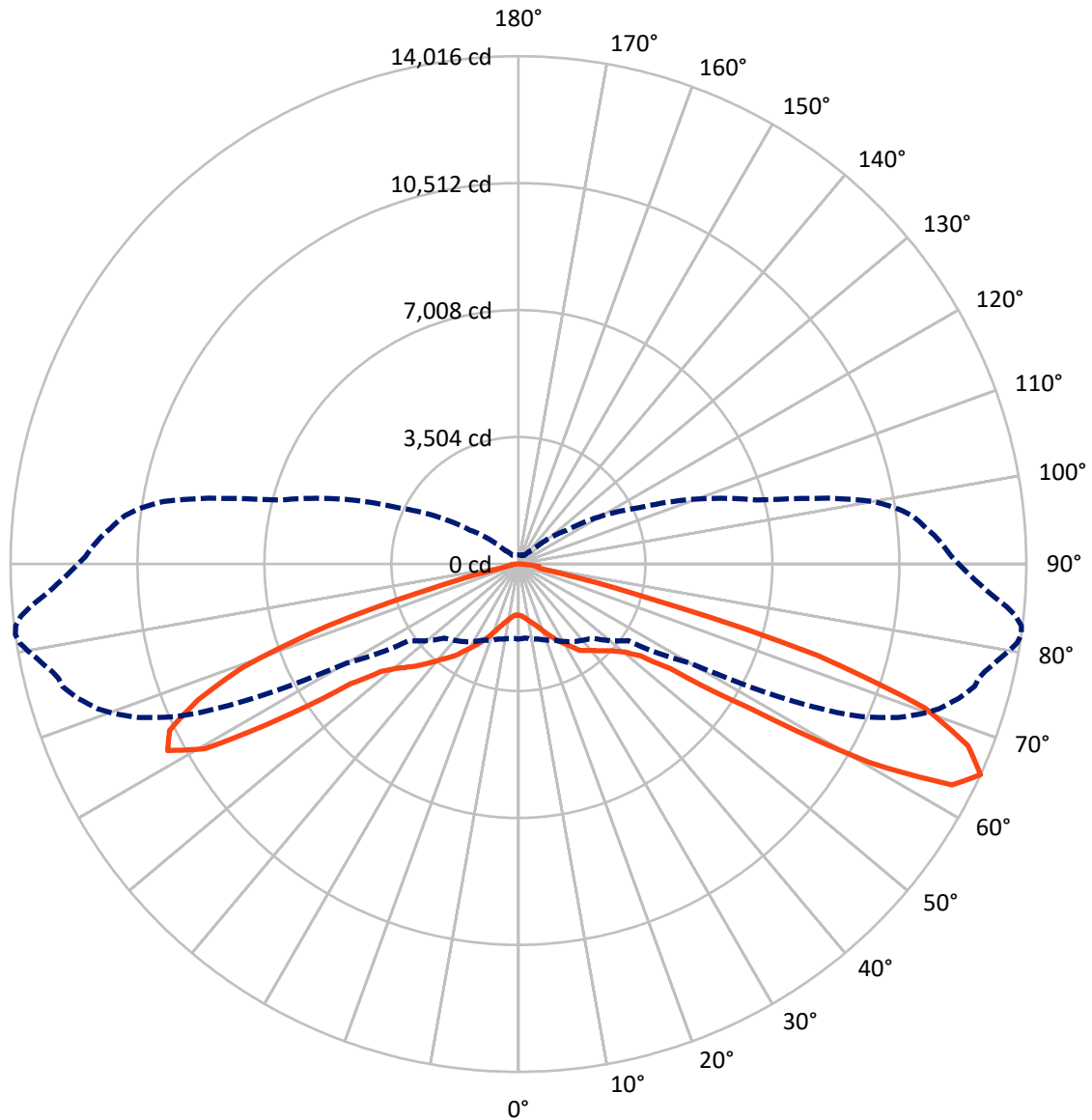
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5610.0 | 0.0 | 5610.0 |
| | % Fixture | 36.8 | 0.0 | 36.8 |
| Street Side | Lumens | 9630.1 | 0.0 | 9630.1 |
| | % Fixture | 63.2 | 0.0 | 63.2 |
| Total | Lumens | 15240.1 | 0.0 | 15240.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 143.2 | 0.9 |
| 10°-20° | 504.7 | 3.3 |
| 20°-30° | 1001.1 | 6.6 |
| 30°-40° | 1708.1 | 11.2 |
| 40°-50° | 2561.3 | 16.8 |
| 50°-60° | 3565.2 | 23.4 |
| 60°-70° | 4095.9 | 26.9 |
| 70°-80° | 1413.4 | 9.3 |
| 80°-90° | 247.2 | 1.6 |
| 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° | 15240.1 | 100.0 |
| 0°-180° | 15240.1 | 100.0 |

Coefficient of Utilization



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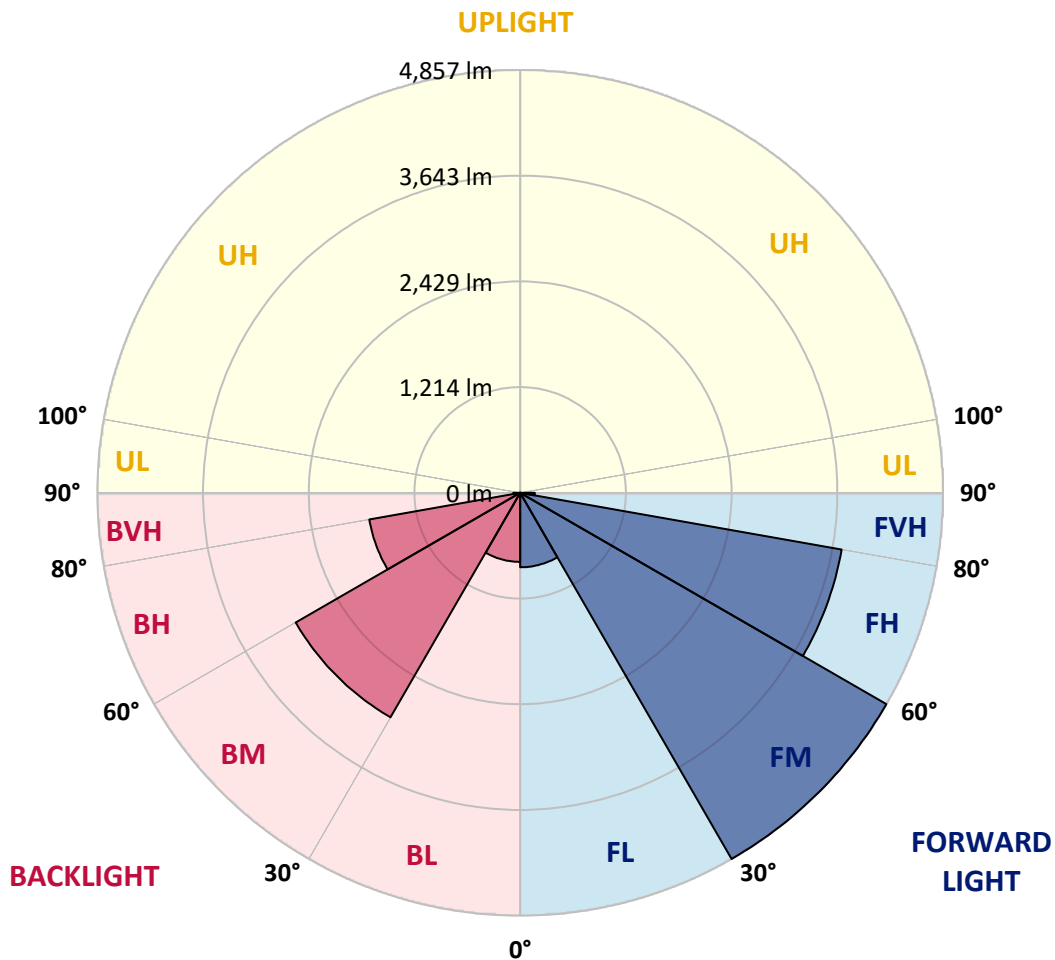
CATALOG NUMBER: OVF-F06-LED-E-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 855.5 | 5.6 | | | |
| FM | (30°-60°) | 4857.2 | 31.9 | | | |
| FH | (60°-80°) | 3749.6 | 24.6 | | | G2/5000 |
| FVH | (80°-90°) | 167.9 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 793.5 | 5.2 | B2/1000 | | |
| BM | (30°-60°) | 2977.4 | 19.5 | B3/5000 | | |
| BH | (60°-80°) | 1759.8 | 11.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 79.3 | 0.5 | | | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1490.2 | 1489.2 | 1488.1 | 1484.1 | 1482.0 | 1473.9 | 1465.8 | 1460.7 | 1456.6 | 1458.7 | 1452.6 |
| 5° | 1576.6 | 1576.6 | 1572.5 | 1567.4 | 1561.3 | 1550.1 | 1529.8 | 1519.7 | 1517.6 | 1517.6 | 1510.5 |
| 7.5° | 1665.0 | 1671.1 | 1659.9 | 1655.9 | 1645.7 | 1628.4 | 1605.0 | 1591.8 | 1587.8 | 1587.8 | 1581.7 |
| 10° | 1776.8 | 1773.8 | 1761.6 | 1753.4 | 1733.1 | 1709.7 | 1678.2 | 1663.0 | 1656.9 | 1662.0 | 1651.8 |
| 12.5° | 1894.7 | 1893.7 | 1875.4 | 1860.2 | 1831.7 | 1794.1 | 1752.4 | 1732.1 | 1728.0 | 1728.0 | 1721.9 |
| 15° | 2014.7 | 2015.7 | 1995.4 | 1966.9 | 1922.2 | 1871.4 | 1824.6 | 1805.3 | 1800.2 | 1798.2 | 1791.1 |
| 17.5° | 2106.2 | 2116.3 | 2096.0 | 2059.4 | 2004.5 | 1948.6 | 1898.8 | 1879.5 | 1878.5 | 1876.4 | 1868.3 |
| 20° | 2158.0 | 2160.0 | 2148.9 | 2122.4 | 2073.6 | 2019.8 | 1985.2 | 1976.1 | 1975.0 | 1976.1 | 1978.1 |
| 22.5° | 2156.0 | 2159.0 | 2155.0 | 2144.8 | 2113.3 | 2083.8 | 2079.7 | 2084.8 | 2087.9 | 2084.8 | 2091.9 |
| 25° | 2139.7 | 2143.8 | 2143.8 | 2148.9 | 2140.7 | 2150.9 | 2183.4 | 2197.7 | 2198.7 | 2200.7 | 2215.9 |
| 27.5° | 2175.3 | 2179.4 | 2178.3 | 2187.5 | 2194.6 | 2230.2 | 2289.1 | 2314.5 | 2317.6 | 2324.7 | 2338.9 |
| 30° | 2340.0 | 2341.0 | 2322.7 | 2321.7 | 2328.8 | 2357.2 | 2417.2 | 2446.7 | 2443.6 | 2457.9 | 2467.0 |
| 32.5° | 2600.2 | 2608.3 | 2590.0 | 2570.7 | 2567.7 | 2571.7 | 2582.9 | 2603.2 | 2600.2 | 2607.3 | 2619.5 |
| 35° | 2897.0 | 2898.0 | 2887.9 | 2899.0 | 2905.1 | 2877.7 | 2824.8 | 2819.7 | 2803.5 | 2806.5 | 2810.6 |
| 37.5° | 3169.4 | 3176.5 | 3195.8 | 3267.0 | 3307.7 | 3240.6 | 3136.9 | 3071.8 | 3061.7 | 3056.6 | 3021.0 |
| 40° | 3424.6 | 3460.1 | 3506.9 | 3599.4 | 3655.3 | 3679.7 | 3532.3 | 3401.2 | 3365.6 | 3351.4 | 3295.5 |
| 42.5° | 3723.4 | 3741.7 | 3796.6 | 3902.3 | 3976.5 | 4087.3 | 3988.7 | 3844.4 | 3802.7 | 3741.7 | 3671.6 |
| 45° | 3976.5 | 3988.7 | 4023.3 | 4112.7 | 4268.2 | 4453.2 | 4464.4 | 4363.8 | 4331.3 | 4270.3 | 4167.6 |
| 47.5° | 4146.3 | 4145.2 | 4170.7 | 4258.1 | 4460.4 | 4742.9 | 4910.7 | 4906.6 | 4869.0 | 4847.6 | 4760.2 |
| 50° | 4212.3 | 4211.3 | 4227.6 | 4325.2 | 4545.7 | 4915.7 | 5285.8 | 5412.8 | 5411.8 | 5419.9 | 5375.2 |
| 52.5° | 4224.5 | 4223.5 | 4225.6 | 4303.8 | 4528.5 | 4975.7 | 5556.1 | 5856.0 | 5899.7 | 5954.6 | 6004.4 |
| 55° | 4133.1 | 4143.2 | 4165.6 | 4247.9 | 4463.4 | 4951.3 | 5756.4 | 6271.7 | 6376.4 | 6488.3 | 6669.2 |
| 57.5° | 3921.6 | 3940.9 | 4018.2 | 4165.6 | 4394.3 | 4891.4 | 5895.6 | 6786.1 | 6998.5 | 7268.9 | 7758.9 |
| 60° | 3618.7 | 3636.0 | 3742.7 | 3937.9 | 4193.0 | 4630.1 | 5734.0 | 7001.6 | 7405.1 | 7874.8 | 8879.0 |
| 62.5° | 3083.0 | 3131.8 | 3188.7 | 3327.0 | 3594.3 | 3946.0 | 5008.2 | 6637.7 | 7262.8 | 7952.0 | 9334.4 |
| 65° | 2070.6 | 2050.3 | 2144.8 | 2320.6 | 2614.4 | 2887.9 | 3689.9 | 5474.8 | 6265.6 | 7214.0 | 8924.8 |
| 67.5° | 1281.8 | 1284.8 | 1348.9 | 1520.7 | 1742.3 | 1954.7 | 2338.9 | 3489.6 | 4191.0 | 5092.6 | 7150.0 |
| 70° | 1059.2 | 1071.4 | 1123.2 | 1282.8 | 1471.9 | 1711.8 | 1736.2 | 1850.0 | 2164.1 | 2600.2 | 4416.7 |
| 72.5° | 840.6 | 845.7 | 898.6 | 1031.7 | 1299.1 | 1628.4 | 2061.4 | 1405.8 | 1381.4 | 1447.5 | 2240.3 |
| 75° | 521.5 | 525.5 | 552.0 | 637.3 | 842.7 | 1268.6 | 2269.8 | 1616.2 | 1514.6 | 1429.2 | 1443.4 |
| 77.5° | 269.4 | 277.5 | 291.7 | 330.4 | 442.2 | 708.5 | 1787.0 | 2049.2 | 1933.4 | 1817.5 | 1590.8 |
| 80° | 152.5 | 152.5 | 165.7 | 174.8 | 209.4 | 288.7 | 908.7 | 2218.0 | 2423.3 | 2473.1 | 2221.0 |
| 82.5° | 68.1 | 76.2 | 102.7 | 109.8 | 119.9 | 132.1 | 300.9 | 1332.6 | 1849.0 | 2309.5 | 2854.3 |
| 85° | 40.7 | 39.6 | 65.1 | 71.2 | 74.2 | 63.0 | 112.8 | 543.8 | 864.0 | 1264.5 | 1891.7 |
| 87.5° | 16.3 | 17.3 | 27.4 | 29.5 | 34.6 | 25.4 | 42.7 | 116.9 | 171.8 | 249.0 | 351.7 |
| 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: OVF-F06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1451.5 | 1451.5 | 1450.5 | 1449.5 | 1448.5 | 1445.4 | 1444.4 | 1442.4 | 1441.4 | 1438.3 | 1437.3 |
| 5° | 1509.5 | 1506.4 | 1505.4 | 1503.4 | 1502.4 | 1498.3 | 1498.3 | 1494.2 | 1491.2 | 1487.1 | 1486.1 |
| 7.5° | 1578.6 | 1574.5 | 1571.5 | 1569.5 | 1568.4 | 1561.3 | 1561.3 | 1555.2 | 1554.2 | 1549.1 | 1547.1 |
| 10° | 1648.7 | 1645.7 | 1641.6 | 1639.6 | 1638.6 | 1634.5 | 1630.5 | 1626.4 | 1623.3 | 1620.3 | 1616.2 |
| 12.5° | 1718.9 | 1712.8 | 1710.8 | 1707.7 | 1705.7 | 1702.6 | 1701.6 | 1692.5 | 1692.5 | 1689.4 | 1685.3 |
| 15° | 1787.0 | 1786.0 | 1778.9 | 1777.8 | 1775.8 | 1776.8 | 1770.7 | 1771.7 | 1768.7 | 1763.6 | 1761.6 |
| 17.5° | 1870.3 | 1863.2 | 1866.3 | 1861.2 | 1862.2 | 1860.2 | 1858.1 | 1857.1 | 1859.2 | 1858.1 | 1860.2 |
| 20° | 1974.0 | 1972.0 | 1975.0 | 1967.9 | 1975.0 | 1976.1 | 1974.0 | 1979.1 | 1977.1 | 1979.1 | 1973.0 |
| 22.5° | 2097.0 | 2089.9 | 2089.9 | 2095.0 | 2098.0 | 2107.2 | 2102.1 | 2106.2 | 2110.2 | 2113.3 | 2109.2 |
| 25° | 2221.0 | 2219.0 | 2223.1 | 2227.1 | 2233.2 | 2241.4 | 2239.3 | 2240.3 | 2248.5 | 2253.6 | 2254.6 |
| 27.5° | 2347.1 | 2347.1 | 2359.3 | 2359.3 | 2367.4 | 2376.6 | 2379.6 | 2383.7 | 2389.8 | 2396.9 | 2396.9 |
| 30° | 2477.2 | 2477.2 | 2488.4 | 2498.5 | 2502.6 | 2513.8 | 2519.9 | 2526.0 | 2537.2 | 2539.2 | 2548.3 |
| 32.5° | 2625.6 | 2628.6 | 2639.8 | 2645.9 | 2655.1 | 2668.3 | 2670.3 | 2677.4 | 2690.7 | 2694.7 | 2701.8 |
| 35° | 2818.7 | 2808.6 | 2818.7 | 2829.9 | 2835.0 | 2830.9 | 2853.3 | 2862.4 | 2871.6 | 2876.7 | 2885.8 |
| 37.5° | 3018.0 | 3000.7 | 3001.7 | 2999.7 | 2987.5 | 2994.6 | 2994.6 | 2992.5 | 2998.6 | 2997.6 | 3001.7 |
| 40° | 3270.1 | 3239.6 | 3230.4 | 3211.1 | 3184.7 | 3170.4 | 3155.2 | 3153.2 | 3137.9 | 3144.0 | 3132.8 |
| 42.5° | 3615.7 | 3569.9 | 3545.5 | 3485.5 | 3453.0 | 3414.4 | 3376.8 | 3344.3 | 3327.0 | 3307.7 | 3293.4 |
| 45° | 4090.4 | 4036.5 | 3977.5 | 3881.0 | 3825.1 | 3747.8 | 3698.0 | 3623.8 | 3574.0 | 3532.3 | 3502.8 |
| 47.5° | 4686.0 | 4595.6 | 4547.8 | 4457.3 | 4359.7 | 4242.8 | 4136.1 | 4032.4 | 3948.1 | 3856.6 | 3784.4 |
| 50° | 5378.3 | 5265.4 | 5227.8 | 5107.9 | 5053.0 | 4921.8 | 4808.0 | 4679.9 | 4547.8 | 4409.5 | 4277.4 |
| 52.5° | 5991.2 | 5978.0 | 5993.2 | 5912.9 | 5910.9 | 5844.8 | 5718.8 | 5569.4 | 5446.4 | 5307.1 | 5133.3 |
| 55° | 6726.1 | 6857.2 | 6885.7 | 6874.5 | 6934.5 | 6932.5 | 6920.3 | 6905.0 | 6807.4 | 6610.2 | 6550.3 |
| 57.5° | 8023.2 | 8170.6 | 8388.1 | 8486.7 | 8704.2 | 8729.6 | 8930.9 | 8852.6 | 9002.0 | 8961.4 | 8988.8 |
| 60° | 9343.6 | 9795.9 | 10208.6 | 10522.7 | 10827.7 | 11105.2 | 11444.7 | 11590.0 | 11698.8 | 11868.5 | 12047.4 |
| 62.5° | 9934.2 | 10504.4 | 10996.4 | 11443.7 | 11822.8 | 12174.5 | 12466.2 | 12742.7 | 12960.3 | 13155.4 | 13305.9 |
| 65° | 9695.3 | 10357.0 | 10836.8 | 11303.4 | 11657.1 | 11984.4 | 12274.1 | 12481.5 | 12698.0 | 12874.9 | 13034.5 |
| 67.5° | 8072.0 | 8953.3 | 9579.4 | 10109.0 | 10553.2 | 10926.3 | 11227.1 | 11512.8 | 11666.3 | 11859.4 | 11945.8 |
| 70° | 5346.7 | 6477.1 | 7362.4 | 8078.1 | 8782.5 | 9205.3 | 9562.1 | 9894.5 | 10069.4 | 10225.9 | 10322.5 |
| 72.5° | 2936.6 | 3709.2 | 4654.5 | 5505.3 | 6182.3 | 6737.3 | 7153.0 | 7468.2 | 7648.1 | 7782.3 | 7643.0 |
| 75° | 1664.0 | 2045.2 | 2507.7 | 2978.3 | 3491.6 | 3883.0 | 3992.8 | 4127.0 | 4158.5 | 4089.3 | 3910.4 |
| 77.5° | 1529.8 | 1529.8 | 1530.8 | 1519.7 | 1542.0 | 1569.5 | 1553.2 | 1525.8 | 1401.7 | 1374.3 | 1335.7 |
| 80° | 1989.3 | 1772.8 | 1541.0 | 1265.5 | 1031.7 | 870.1 | 820.3 | 824.4 | 864.0 | 941.3 | 1026.7 |
| 82.5° | 2819.7 | 2606.3 | 2271.9 | 1852.0 | 1473.9 | 1156.8 | 948.4 | 852.8 | 851.8 | 929.1 | 1039.9 |
| 85° | 2056.4 | 2073.6 | 1999.4 | 1768.7 | 1410.9 | 1111.0 | 897.6 | 689.2 | 622.1 | 622.1 | 614.0 |
| 87.5° | 359.8 | 371.0 | 320.2 | 286.7 | 200.2 | 141.3 | 127.1 | 111.8 | 110.8 | 114.9 | 105.7 |
| 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: OVF-F06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1437.3 | 1435.3 | 1433.3 | 1432.2 | 1432.2 | 1430.2 | 1430.2 | 1428.2 | 1429.2 | 1428.2 | 1425.1 |
| 5° | 1484.1 | 1483.1 | 1480.0 | 1474.9 | 1473.9 | 1469.8 | 1470.9 | 1466.8 | 1466.8 | 1464.8 | 1459.7 |
| 7.5° | 1543.0 | 1541.0 | 1539.0 | 1534.9 | 1530.8 | 1530.8 | 1523.7 | 1523.7 | 1518.6 | 1516.6 | 1512.5 |
| 10° | 1613.2 | 1607.1 | 1604.0 | 1600.0 | 1598.9 | 1597.9 | 1590.8 | 1590.8 | 1584.7 | 1583.7 | 1580.6 |
| 12.5° | 1682.3 | 1678.2 | 1675.2 | 1673.1 | 1668.1 | 1667.0 | 1664.0 | 1660.9 | 1657.9 | 1655.9 | 1654.8 |
| 15° | 1757.5 | 1755.5 | 1752.4 | 1752.4 | 1752.4 | 1747.3 | 1744.3 | 1742.3 | 1742.3 | 1739.2 | 1741.2 |
| 17.5° | 1855.1 | 1858.1 | 1854.1 | 1852.0 | 1849.0 | 1854.1 | 1849.0 | 1849.0 | 1852.0 | 1852.0 | 1844.9 |
| 20° | 1976.1 | 1980.1 | 1976.1 | 1977.1 | 1975.0 | 1976.1 | 1977.1 | 1979.1 | 1983.2 | 1976.1 | 1977.1 |
| 22.5° | 2110.2 | 2111.3 | 2114.3 | 2111.3 | 2116.3 | 2113.3 | 2119.4 | 2124.5 | 2123.4 | 2121.4 | 2122.4 |
| 25° | 2256.6 | 2253.6 | 2254.6 | 2263.7 | 2270.8 | 2268.8 | 2269.8 | 2278.0 | 2275.9 | 2273.9 | 2274.9 |
| 27.5° | 2405.0 | 2403.0 | 2406.0 | 2414.2 | 2422.3 | 2421.3 | 2419.2 | 2425.3 | 2425.3 | 2420.3 | 2422.3 |
| 30° | 2552.4 | 2555.5 | 2560.5 | 2560.5 | 2564.6 | 2568.7 | 2565.6 | 2572.7 | 2573.8 | 2569.7 | 2574.8 |
| 32.5° | 2707.9 | 2714.0 | 2712.0 | 2726.2 | 2726.2 | 2727.2 | 2730.3 | 2729.3 | 2739.4 | 2731.3 | 2734.4 |
| 35° | 2895.0 | 2897.0 | 2909.2 | 2919.4 | 2925.5 | 2930.5 | 2930.5 | 2933.6 | 2938.7 | 2934.6 | 2940.7 |
| 37.5° | 3008.8 | 3012.9 | 3016.9 | 3023.0 | 3023.0 | 3023.0 | 3028.1 | 3029.1 | 3032.2 | 3031.2 | 3033.2 |
| 40° | 3133.8 | 3134.9 | 3135.9 | 3136.9 | 3141.0 | 3143.0 | 3137.9 | 3145.0 | 3139.9 | 3142.0 | 3145.0 |
| 42.5° | 3285.3 | 3271.1 | 3273.1 | 3270.1 | 3277.2 | 3268.0 | 3270.1 | 3278.2 | 3274.1 | 3280.2 | 3280.2 |
| 45° | 3461.2 | 3444.9 | 3430.7 | 3422.5 | 3422.5 | 3410.3 | 3412.4 | 3415.4 | 3420.5 | 3428.6 | 3442.9 |
| 47.5° | 3721.4 | 3665.5 | 3638.0 | 3609.6 | 3595.3 | 3580.1 | 3585.2 | 3586.2 | 3588.2 | 3601.4 | 3637.0 |
| 50° | 4147.3 | 4053.8 | 3981.6 | 3895.2 | 3862.7 | 3836.2 | 3821.0 | 3822.0 | 3822.0 | 3849.5 | 3885.0 |
| 52.5° | 4970.6 | 4796.8 | 4625.0 | 4474.6 | 4345.5 | 4283.5 | 4211.3 | 4193.0 | 4194.0 | 4217.4 | 4241.8 |
| 55° | 6392.7 | 6153.8 | 5971.9 | 5637.5 | 5535.8 | 5250.2 | 5099.7 | 5013.3 | 4946.2 | 4978.8 | 5014.3 |
| 57.5° | 8944.1 | 8723.5 | 8579.2 | 8179.7 | 7815.8 | 7712.1 | 7465.1 | 7264.9 | 7182.5 | 7087.0 | 7093.1 |
| 60° | 12073.9 | 11960.0 | 11923.4 | 11689.6 | 11558.5 | 11150.9 | 11118.4 | 10865.3 | 10626.4 | 10420.0 | 10504.4 |
| 62.5° | 13421.7 | 13474.6 | 13517.3 | 13599.6 | 13631.1 | 13592.5 | 13428.9 | 13317.0 | 13120.9 | 12850.5 | 12684.8 |
| 65° | 13081.2 | 13202.2 | 13384.1 | 13555.9 | 13761.3 | 13932.0 | 14016.4 | 13983.9 | 13807.0 | 13528.5 | 13180.8 |
| 67.5° | 12007.8 | 12130.8 | 12287.3 | 12504.9 | 12819.0 | 13151.4 | 13383.1 | 13530.5 | 13390.2 | 13139.2 | 12785.4 |
| 70° | 10317.4 | 10437.3 | 10442.4 | 10746.3 | 11084.8 | 11503.6 | 11914.3 | 12068.8 | 11909.2 | 11741.5 | 11445.7 |
| 72.5° | 7727.4 | 7655.2 | 7722.3 | 7778.2 | 7971.3 | 8235.6 | 8634.1 | 8616.8 | 8372.8 | 8242.7 | 7788.4 |
| 75° | 3631.9 | 3583.1 | 3512.0 | 3465.2 | 3420.5 | 3327.0 | 3371.7 | 3180.6 | 3114.5 | 3141.0 | 2748.6 |
| 77.5° | 1306.2 | 1239.1 | 1131.4 | 1026.7 | 894.5 | 741.0 | 625.1 | 548.9 | 511.3 | 512.3 | 488.9 |
| 80° | 1095.8 | 1128.3 | 1113.1 | 1009.4 | 861.0 | 700.4 | 524.5 | 397.4 | 339.5 | 315.1 | 299.9 |
| 82.5° | 1188.3 | 1351.9 | 1433.3 | 1369.2 | 1156.8 | 890.4 | 573.3 | 346.6 | 254.1 | 217.5 | 208.4 |
| 85° | 658.7 | 659.7 | 639.4 | 610.9 | 541.8 | 372.0 | 248.0 | 164.7 | 132.1 | 117.9 | 113.8 |
| 87.5° | 111.8 | 106.7 | 106.7 | 99.6 | 87.4 | 85.4 | 76.2 | 72.2 | 64.0 | 59.0 | 56.9 |
| 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: P162143

CATALOG NUMBER: OVF-F06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° | 95° | 96° | 97° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1422.1 | 1420.0 | 1419.0 | 1418.0 | 1418.0 | 1417.0 | 1417.0 | 1415.0 | 1412.9 | 1411.9 | 1410.9 |
| 5° | 1454.6 | 1452.6 | 1450.5 | 1448.5 | 1448.5 | 1446.5 | 1444.4 | 1442.4 | 1439.4 | 1434.3 | 1433.3 |
| 7.5° | 1509.5 | 1505.4 | 1505.4 | 1498.3 | 1498.3 | 1494.2 | 1491.2 | 1491.2 | 1487.1 | 1479.0 | 1478.0 |
| 10° | 1577.6 | 1570.5 | 1567.4 | 1563.4 | 1561.3 | 1557.3 | 1557.3 | 1553.2 | 1551.2 | 1548.1 | 1538.0 |
| 12.5° | 1650.8 | 1645.7 | 1643.7 | 1638.6 | 1635.5 | 1635.5 | 1633.5 | 1626.4 | 1631.5 | 1624.4 | 1619.3 |
| 15° | 1739.2 | 1738.2 | 1729.1 | 1732.1 | 1731.1 | 1730.1 | 1731.1 | 1725.0 | 1724.0 | 1724.0 | 1717.9 |
| 17.5° | 1850.0 | 1841.9 | 1842.9 | 1842.9 | 1844.9 | 1844.9 | 1836.8 | 1840.9 | 1841.9 | 1839.8 | 1837.8 |
| 20° | 1980.1 | 1977.1 | 1980.1 | 1974.0 | 1980.1 | 1980.1 | 1984.2 | 1983.2 | 1984.2 | 1986.2 | 1986.2 |
| 22.5° | 2119.4 | 2127.5 | 2128.5 | 2130.6 | 2123.4 | 2135.6 | 2135.6 | 2137.7 | 2142.8 | 2142.8 | 2144.8 |
| 25° | 2288.1 | 2284.1 | 2279.0 | 2286.1 | 2288.1 | 2296.3 | 2298.3 | 2298.3 | 2306.4 | 2306.4 | 2309.5 |
| 27.5° | 2428.4 | 2432.5 | 2431.4 | 2435.5 | 2433.5 | 2444.7 | 2448.7 | 2460.9 | 2457.9 | 2464.0 | 2472.1 |
| 30° | 2572.7 | 2580.9 | 2576.8 | 2577.8 | 2582.9 | 2590.0 | 2598.2 | 2610.3 | 2612.4 | 2628.6 | 2632.7 |
| 32.5° | 2739.4 | 2745.5 | 2750.6 | 2752.7 | 2752.7 | 2764.9 | 2778.1 | 2782.1 | 2803.5 | 2815.7 | 2829.9 |
| 35° | 2950.9 | 2951.9 | 2954.9 | 2958.0 | 2956.0 | 2969.2 | 2982.4 | 2986.4 | 3008.8 | 3011.9 | 3041.3 |
| 37.5° | 3040.3 | 3042.4 | 3054.6 | 3060.7 | 3064.7 | 3081.0 | 3105.4 | 3123.7 | 3148.1 | 3171.5 | 3205.0 |
| 40° | 3152.1 | 3164.3 | 3175.5 | 3184.7 | 3199.9 | 3222.3 | 3259.9 | 3278.2 | 3314.8 | 3358.5 | 3391.0 |
| 42.5° | 3293.4 | 3315.8 | 3323.9 | 3341.2 | 3378.8 | 3406.3 | 3443.9 | 3483.5 | 3532.3 | 3585.2 | 3623.8 |
| 45° | 3461.2 | 3482.5 | 3513.0 | 3532.3 | 3576.0 | 3619.7 | 3679.7 | 3714.3 | 3764.1 | 3825.1 | 3867.7 |
| 47.5° | 3664.4 | 3693.9 | 3724.4 | 3764.1 | 3815.9 | 3861.6 | 3921.6 | 3966.3 | 4016.2 | 4066.0 | 4112.7 |
| 50° | 3917.6 | 3961.3 | 4001.9 | 4043.6 | 4112.7 | 4151.3 | 4210.3 | 4257.1 | 4303.8 | 4353.6 | 4396.3 |
| 52.5° | 4258.1 | 4324.2 | 4376.0 | 4404.5 | 4498.0 | 4536.6 | 4608.8 | 4641.3 | 4679.9 | 4724.6 | 4779.5 |
| 55° | 5001.1 | 5103.8 | 5191.2 | 5242.0 | 5384.4 | 5435.2 | 5528.7 | 5576.5 | 5550.0 | 5607.0 | 5705.6 |
| 57.5° | 7150.0 | 7276.0 | 7380.7 | 7449.9 | 7595.2 | 7666.4 | 7671.5 | 7850.4 | 7744.6 | 7849.3 | 7864.6 |
| 60° | 10279.8 | 10379.4 | 10354.0 | 10355.0 | 10309.2 | 10243.2 | 10370.2 | 10177.1 | 10258.4 | 10263.5 | 10081.6 |
| 62.5° | 12378.8 | 12226.4 | 12155.2 | 12037.3 | 11900.1 | 11794.3 | 11722.2 | 11566.6 | 11442.6 | 11344.0 | 11151.9 |
| 65° | 12872.8 | 12608.6 | 12374.8 | 12154.2 | 11951.9 | 11811.6 | 11659.1 | 11492.4 | 11298.3 | 11134.6 | 10947.6 |
| 67.5° | 12395.1 | 12025.1 | 11678.5 | 11387.7 | 11111.3 | 10926.3 | 10705.7 | 10547.1 | 10303.2 | 10087.7 | 9945.3 |
| 70° | 11009.6 | 10497.3 | 10092.7 | 9906.7 | 9632.3 | 9234.8 | 9024.4 | 8826.2 | 8676.8 | 8481.6 | 8395.2 |
| 72.5° | 7723.3 | 7091.0 | 6779.0 | 6791.2 | 6512.7 | 6228.0 | 6235.2 | 6114.2 | 5921.1 | 5915.0 | 5885.5 |
| 75° | 2838.0 | 2581.9 | 2402.0 | 2410.1 | 2306.4 | 2195.6 | 2226.1 | 2258.6 | 2195.6 | 2323.7 | 2125.5 |
| 77.5° | 451.3 | 439.1 | 435.1 | 425.9 | 403.5 | 419.8 | 408.6 | 430.0 | 433.0 | 456.4 | 458.4 |
| 80° | 287.7 | 275.5 | 272.4 | 267.3 | 266.3 | 266.3 | 264.3 | 264.3 | 264.3 | 265.3 | 263.3 |
| 82.5° | 192.1 | 185.0 | 184.0 | 180.9 | 186.0 | 187.0 | 188.1 | 196.2 | 203.3 | 205.3 | 213.5 |
| 85° | 104.7 | 99.6 | 99.6 | 97.6 | 101.6 | 102.7 | 111.8 | 123.0 | 137.2 | 143.3 | 156.5 |
| 87.5° | 52.9 | 55.9 | 54.9 | 56.9 | 60.0 | 67.1 | 74.2 | 81.3 | 89.5 | 100.6 | 109.8 |
| 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: P162143

CATALOG NUMBER: OVF-F06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° | 115° | 125° | 135° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1408.9 | 1407.8 | 1407.8 | 1405.8 | 1405.8 | 1404.8 | 1402.8 | 1400.7 | 1391.6 | 1380.4 | 1373.3 |
| 5° | 1430.2 | 1428.2 | 1427.2 | 1425.1 | 1422.1 | 1422.1 | 1419.0 | 1415.0 | 1397.7 | 1379.4 | 1368.2 |
| 7.5° | 1473.9 | 1472.9 | 1469.8 | 1465.8 | 1461.7 | 1457.6 | 1455.6 | 1453.6 | 1427.2 | 1409.9 | 1401.7 |
| 10° | 1536.9 | 1535.9 | 1528.8 | 1527.8 | 1521.7 | 1522.7 | 1517.6 | 1513.6 | 1496.3 | 1477.0 | 1465.8 |
| 12.5° | 1617.2 | 1621.3 | 1617.2 | 1608.1 | 1610.1 | 1607.1 | 1602.0 | 1596.9 | 1581.7 | 1566.4 | 1549.1 |
| 15° | 1716.9 | 1711.8 | 1707.7 | 1715.8 | 1708.7 | 1707.7 | 1710.8 | 1711.8 | 1693.5 | 1677.2 | 1652.8 |
| 17.5° | 1840.9 | 1840.9 | 1838.8 | 1840.9 | 1836.8 | 1839.8 | 1837.8 | 1839.8 | 1831.7 | 1809.4 | 1773.8 |
| 20° | 1982.2 | 1990.3 | 1990.3 | 1987.2 | 1986.2 | 1992.3 | 1995.4 | 1984.2 | 1986.2 | 1966.9 | 1902.9 |
| 22.5° | 2146.8 | 2152.9 | 2155.0 | 2151.9 | 2152.9 | 2161.1 | 2166.1 | 2158.0 | 2176.3 | 2144.8 | 2046.2 |
| 25° | 2316.6 | 2325.7 | 2321.7 | 2322.7 | 2330.8 | 2340.0 | 2349.1 | 2341.0 | 2376.6 | 2327.8 | 2198.7 |
| 27.5° | 2484.3 | 2492.4 | 2490.4 | 2496.5 | 2509.7 | 2521.9 | 2532.1 | 2529.0 | 2588.0 | 2523.9 | 2359.3 |
| 30° | 2642.9 | 2662.2 | 2666.3 | 2673.4 | 2689.6 | 2710.0 | 2726.2 | 2725.2 | 2801.4 | 2715.0 | 2490.4 |
| 32.5° | 2838.0 | 2859.4 | 2867.5 | 2882.8 | 2914.3 | 2928.5 | 2948.8 | 2950.9 | 3027.1 | 2882.8 | 2601.2 |
| 35° | 3063.7 | 3085.0 | 3102.3 | 3113.5 | 3149.1 | 3166.4 | 3186.7 | 3195.8 | 3246.7 | 3039.3 | 2678.5 |
| 37.5° | 3238.5 | 3256.8 | 3290.4 | 3313.8 | 3345.3 | 3379.8 | 3403.2 | 3414.4 | 3442.9 | 3173.5 | 2714.0 |
| 40° | 3429.6 | 3469.3 | 3501.8 | 3537.4 | 3571.9 | 3599.4 | 3620.7 | 3638.0 | 3626.8 | 3285.3 | 2698.8 |
| 42.5° | 3671.6 | 3713.2 | 3756.9 | 3787.4 | 3805.7 | 3842.3 | 3852.5 | 3864.7 | 3773.2 | 3336.1 | 2629.7 |
| 45° | 3923.7 | 3957.2 | 3993.8 | 4016.2 | 4040.6 | 4058.8 | 4061.9 | 4062.9 | 3882.0 | 3306.6 | 2504.6 |
| 47.5° | 4166.6 | 4195.1 | 4220.5 | 4232.7 | 4244.9 | 4245.9 | 4240.8 | 4232.7 | 3939.9 | 3207.0 | 2354.2 |
| 50° | 4432.9 | 4450.2 | 4461.4 | 4462.4 | 4473.6 | 4452.2 | 4438.0 | 4400.4 | 3933.8 | 3054.6 | 2195.6 |
| 52.5° | 4816.1 | 4812.1 | 4797.8 | 4796.8 | 4761.2 | 4720.6 | 4694.2 | 4640.3 | 3892.1 | 2889.9 | 2012.7 |
| 55° | 5696.4 | 5657.8 | 5702.5 | 5588.7 | 5494.1 | 5431.1 | 5281.7 | 5172.9 | 3933.8 | 2736.4 | 1802.2 |
| 57.5° | 7811.7 | 7679.6 | 7693.8 | 7509.8 | 7308.6 | 6931.5 | 6708.8 | 6408.0 | 4261.1 | 2651.0 | 1536.9 |
| 60° | 10042.9 | 9825.4 | 9620.1 | 9293.8 | 8865.8 | 8387.1 | 7956.1 | 7485.4 | 4586.4 | 2546.3 | 1254.3 |
| 62.5° | 10963.9 | 10683.3 | 10326.5 | 9866.1 | 9316.1 | 8722.5 | 8126.8 | 7590.1 | 4407.5 | 2231.2 | 903.7 |
| 65° | 10667.1 | 10331.6 | 9951.4 | 9350.7 | 8726.6 | 8036.4 | 7383.8 | 6816.6 | 3670.5 | 1631.5 | 545.9 |
| 67.5° | 9613.0 | 9324.3 | 8855.7 | 8288.5 | 7515.9 | 6823.7 | 6178.2 | 5653.7 | 2705.9 | 1008.4 | 313.1 |
| 70° | 8094.3 | 7694.8 | 7294.3 | 6749.5 | 5935.3 | 5282.7 | 4682.0 | 4218.4 | 1716.9 | 498.1 | 230.7 |
| 72.5° | 5586.6 | 5270.5 | 4950.3 | 4462.4 | 3854.5 | 3405.2 | 2888.9 | 2507.7 | 898.6 | 268.4 | 212.4 |
| 75° | 2176.3 | 2141.7 | 2105.2 | 1883.6 | 1677.2 | 1343.8 | 1180.1 | 1064.3 | 374.1 | 232.8 | 209.4 |
| 77.5° | 477.8 | 506.2 | 522.5 | 495.0 | 471.7 | 420.8 | 402.5 | 359.8 | 250.1 | 238.9 | 207.4 |
| 80° | 263.3 | 263.3 | 263.3 | 266.3 | 261.2 | 261.2 | 258.2 | 253.1 | 233.8 | 238.9 | 203.3 |
| 82.5° | 215.5 | 218.5 | 222.6 | 223.6 | 222.6 | 223.6 | 221.6 | 220.6 | 228.7 | 239.9 | 193.1 |
| 85° | 164.7 | 174.8 | 180.9 | 189.1 | 197.2 | 202.3 | 204.3 | 205.3 | 210.4 | 227.7 | 168.7 |
| 87.5° | 116.9 | 125.0 | 138.2 | 140.3 | 149.4 | 160.6 | 164.7 | 170.8 | 167.7 | 172.8 | 79.3 |
| 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: P162143

CATALOG NUMBER: OVF-F06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1411.9 | 1411.9 | 1411.9 | 1411.9 | 1411.9 |
| 2.5° | 1367.2 | 1359.0 | 1356.0 | 1355.0 | 1352.9 |
| 5° | 1359.0 | 1354.0 | 1349.9 | 1346.9 | 1348.9 |
| 7.5° | 1395.6 | 1392.6 | 1385.5 | 1383.4 | 1386.5 |
| 10° | 1460.7 | 1453.6 | 1443.4 | 1444.4 | 1443.4 |
| 12.5° | 1542.0 | 1522.7 | 1506.4 | 1499.3 | 1494.2 |
| 15° | 1625.4 | 1587.8 | 1554.2 | 1539.0 | 1532.9 |
| 17.5° | 1717.9 | 1653.8 | 1602.0 | 1574.5 | 1569.5 |
| 20° | 1815.5 | 1727.0 | 1659.9 | 1627.4 | 1622.3 |
| 22.5° | 1928.3 | 1806.3 | 1720.9 | 1676.2 | 1669.1 |
| 25° | 2038.1 | 1877.5 | 1763.6 | 1708.7 | 1699.6 |
| 27.5° | 2137.7 | 1931.3 | 1789.0 | 1724.0 | 1714.8 |
| 30° | 2221.0 | 1974.0 | 1810.4 | 1736.2 | 1726.0 |
| 32.5° | 2275.9 | 1997.4 | 1817.5 | 1737.2 | 1725.0 |
| 35° | 2293.2 | 1982.2 | 1787.0 | 1694.5 | 1684.3 |
| 37.5° | 2256.6 | 1920.2 | 1705.7 | 1601.0 | 1592.8 |
| 40° | 2173.3 | 1805.3 | 1577.6 | 1468.8 | 1458.7 |
| 42.5° | 2043.1 | 1659.9 | 1429.2 | 1314.3 | 1305.2 |
| 45° | 1898.8 | 1504.4 | 1271.6 | 1156.8 | 1147.6 |
| 47.5° | 1741.2 | 1339.7 | 1105.9 | 1000.2 | 986.0 |
| 50° | 1568.4 | 1160.8 | 937.2 | 833.5 | 820.3 |
| 52.5° | 1366.2 | 965.7 | 758.3 | 664.8 | 656.7 |
| 55° | 1129.3 | 769.5 | 603.8 | 535.7 | 527.6 |
| 57.5° | 878.2 | 585.5 | 479.8 | 446.2 | 433.0 |
| 60° | 637.3 | 445.2 | 382.2 | 365.9 | 358.8 |
| 62.5° | 433.0 | 332.4 | 308.0 | 302.9 | 297.8 |
| 65° | 293.8 | 260.2 | 253.1 | 254.1 | 251.1 |
| 67.5° | 231.8 | 218.5 | 214.5 | 216.5 | 215.5 |
| 70° | 203.3 | 193.1 | 192.1 | 194.1 | 193.1 |
| 72.5° | 192.1 | 178.9 | 180.9 | 184.0 | 183.0 |
| 75° | 187.0 | 172.8 | 176.9 | 178.9 | 173.8 |
| 77.5° | 182.0 | 163.7 | 175.9 | 179.9 | 169.8 |
| 80° | 174.8 | 155.5 | 184.0 | 182.0 | 162.6 |
| 82.5° | 159.6 | 137.2 | 179.9 | 164.7 | 146.4 |
| 85° | 130.1 | 102.7 | 202.3 | 145.4 | 106.7 |
| 87.5° | 83.4 | 62.0 | 140.3 | 110.8 | 71.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)