

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: P162235

Luminaire Tested: **OVF-E04-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162235
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-E04-LED-E-U-T4-8030
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9920.6 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

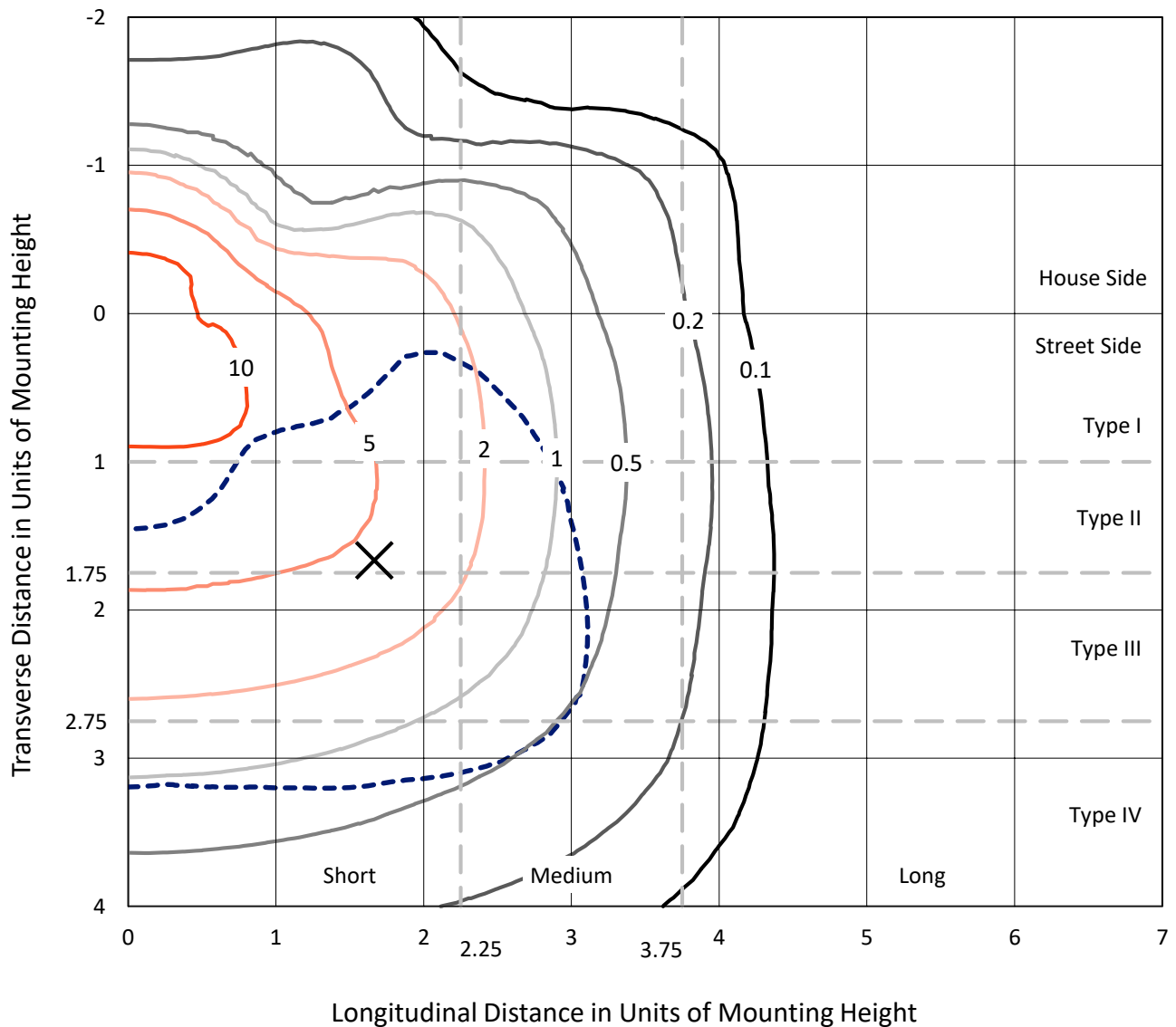
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P162235
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Iso-Footcandle Lines of Horizontal Illumination

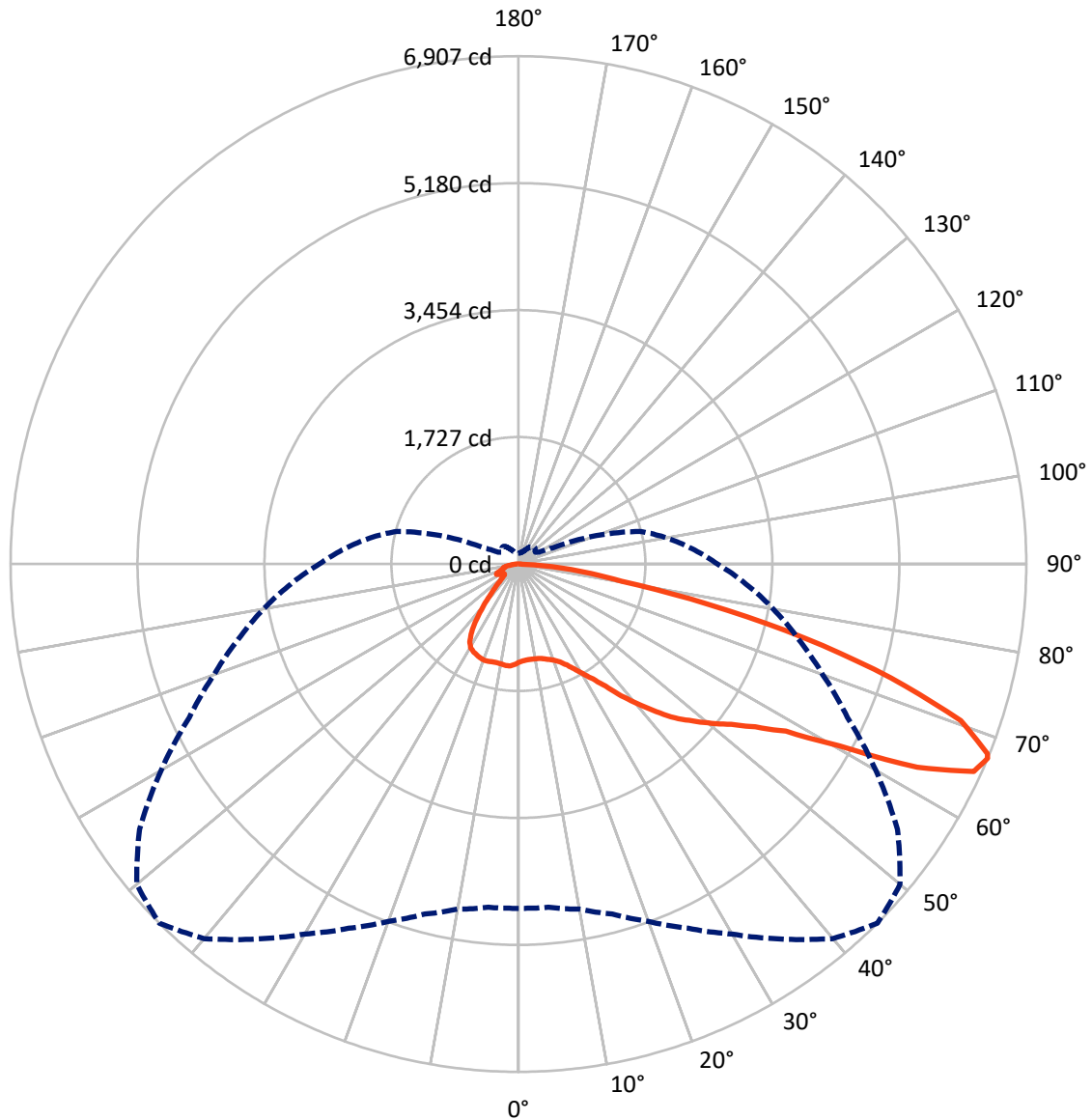
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 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 |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2010.1 | 0.0 | 2010.1 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 7910.5 | 0.0 | 7910.5 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 9920.6 | 0.0 | 9920.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.7 | 1.3 |
| 10°-20° | 386.5 | 3.9 |
| 20°-30° | 656.9 | 6.6 |
| 30°-40° | 987.3 | 10.0 |
| 40°-50° | 1283.8 | 12.9 |
| 50°-60° | 1762.5 | 17.8 |
| 60°-70° | 2780.4 | 28.0 |
| 70°-80° | 1680.0 | 16.9 |
| 80°-90° | 254.5 | 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° | 9920.6 | 100.0 |
| 0°-180° | 9920.6 | 100.0 |

Coefficient of Utilization



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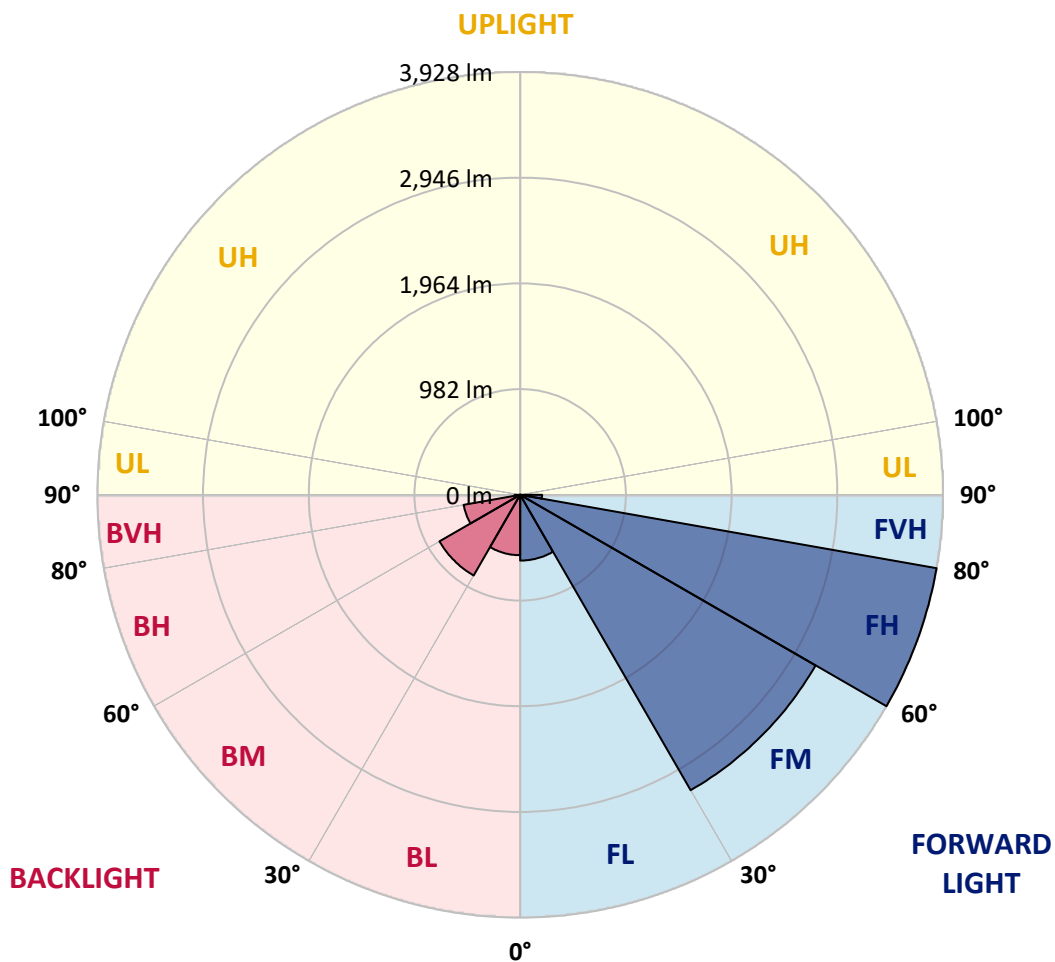
CATALOG NUMBER: OVF-E04-LED-E-U-T4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 610.9 | 6.2 | | | |
| FM (30°-60°) | 3168.6 | 31.9 | | | |
| FH (60°-80°) | 3927.8 | 39.6 | | | G2/5000 |
| FVH (80°-90°) | 203.2 | 2.0 | | | G2/225 |
| BL (0°-30°) | 561.2 | 5.7 | B2/1000 | | |
| BM (30°-60°) | 865.0 | 8.7 | B1/1000 | | |
| BH (60°-80°) | 532.6 | 5.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 51.3 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





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CATALOG NUMBER: OVF-E04-LED-E-U-T4-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 |
| 2.5° | 1305.8 | 1308.5 | 1306.5 | 1306.5 | 1307.2 | 1307.8 | 1309.2 | 1311.9 | 1312.6 | 1316.6 | 1317.3 |
| 5° | 1279.5 | 1280.2 | 1280.2 | 1280.8 | 1284.9 | 1288.3 | 1291.6 | 1296.4 | 1300.4 | 1307.8 | 1312.6 |
| 7.5° | 1270.0 | 1272.7 | 1272.1 | 1273.4 | 1277.5 | 1280.8 | 1284.9 | 1291.6 | 1301.8 | 1307.8 | 1314.6 |
| 10° | 1285.6 | 1287.6 | 1285.6 | 1286.2 | 1286.9 | 1290.3 | 1291.6 | 1296.4 | 1304.5 | 1309.9 | 1316.0 |
| 12.5° | 1321.4 | 1321.4 | 1319.3 | 1318.0 | 1316.0 | 1316.6 | 1313.9 | 1313.2 | 1317.3 | 1318.0 | 1318.7 |
| 15° | 1368.6 | 1374.0 | 1367.3 | 1361.9 | 1359.2 | 1356.5 | 1347.7 | 1344.3 | 1343.6 | 1337.6 | 1331.5 |
| 17.5° | 1416.6 | 1417.9 | 1413.9 | 1407.8 | 1403.7 | 1397.6 | 1390.2 | 1383.5 | 1375.4 | 1365.9 | 1353.8 |
| 20° | 1469.9 | 1470.6 | 1465.2 | 1456.4 | 1451.7 | 1444.2 | 1434.8 | 1423.3 | 1413.2 | 1398.3 | 1384.8 |
| 22.5° | 1544.2 | 1543.5 | 1532.7 | 1525.3 | 1518.5 | 1509.7 | 1496.2 | 1480.7 | 1464.5 | 1446.9 | 1428.0 |
| 25° | 1629.2 | 1629.2 | 1621.8 | 1609.7 | 1606.3 | 1593.5 | 1578.6 | 1560.4 | 1543.5 | 1518.5 | 1495.6 |
| 27.5° | 1726.5 | 1727.1 | 1713.6 | 1706.9 | 1699.5 | 1686.0 | 1675.8 | 1661.6 | 1638.7 | 1613.7 | 1590.1 |
| 30° | 1841.9 | 1838.5 | 1827.7 | 1813.6 | 1810.9 | 1800.1 | 1785.9 | 1775.8 | 1747.4 | 1729.8 | 1703.5 |
| 32.5° | 1951.3 | 1956.7 | 1954.0 | 1937.8 | 1940.5 | 1929.7 | 1917.5 | 1910.1 | 1880.4 | 1863.5 | 1839.2 |
| 35° | 2114.7 | 2119.4 | 2123.5 | 2117.4 | 2120.8 | 2114.7 | 2104.6 | 2085.0 | 2060.7 | 2038.4 | 2004.6 |
| 37.5° | 2241.6 | 2246.4 | 2249.1 | 2263.9 | 2285.5 | 2306.5 | 2315.9 | 2305.8 | 2307.1 | 2273.4 | 2228.1 |
| 40° | 2345.6 | 2357.1 | 2373.3 | 2401.7 | 2444.9 | 2484.7 | 2506.3 | 2523.2 | 2532.0 | 2500.2 | 2441.5 |
| 42.5° | 2449.6 | 2461.8 | 2484.0 | 2529.3 | 2588.7 | 2646.1 | 2691.3 | 2743.3 | 2752.8 | 2744.7 | 2694.7 |
| 45° | 2558.3 | 2572.5 | 2600.2 | 2651.5 | 2721.0 | 2796.0 | 2868.9 | 2942.5 | 2979.6 | 2985.7 | 2924.9 |
| 47.5° | 2689.3 | 2709.5 | 2735.2 | 2793.3 | 2860.8 | 2945.2 | 3036.3 | 3130.9 | 3188.9 | 3188.9 | 3118.7 |
| 50° | 2852.7 | 2875.6 | 2897.3 | 2955.3 | 3022.8 | 3109.9 | 3215.3 | 3320.6 | 3399.6 | 3404.3 | 3319.2 |
| 52.5° | 3081.6 | 3085.0 | 3097.8 | 3151.1 | 3209.9 | 3307.1 | 3407.0 | 3529.2 | 3620.4 | 3624.4 | 3526.5 |
| 55° | 3359.8 | 3359.8 | 3374.6 | 3419.2 | 3473.9 | 3554.2 | 3657.5 | 3793.2 | 3889.1 | 3910.0 | 3784.5 |
| 57.5° | 3725.7 | 3739.2 | 3746.6 | 3798.6 | 3835.8 | 3920.8 | 4007.3 | 4155.1 | 4277.3 | 4290.8 | 4163.2 |
| 60° | 4321.2 | 4295.6 | 4336.8 | 4382.7 | 4469.8 | 4531.9 | 4679.1 | 4827.6 | 4983.6 | 5020.7 | 4883.7 |
| 62.5° | 4908.0 | 4935.7 | 4986.3 | 5069.3 | 5218.6 | 5357.7 | 5568.3 | 5793.8 | 6036.2 | 6086.2 | 5981.5 |
| 65° | 4944.4 | 4961.3 | 5031.5 | 5174.7 | 5378.6 | 5626.4 | 5916.7 | 6256.3 | 6617.6 | 6804.6 | 6629.0 |
| 67° | 4682.5 | 4687.2 | 4766.9 | 4929.6 | 5174.0 | 5467.7 | 5811.4 | 6226.0 | 6650.0 | 6907.2 | 6776.2 |
| 67.5° | 4599.4 | 4608.2 | 4686.5 | 4852.6 | 5099.7 | 5400.2 | 5750.6 | 6176.7 | 6610.8 | 6879.5 | 6761.4 |
| 70° | 4111.9 | 4111.9 | 4196.3 | 4363.8 | 4595.4 | 4888.4 | 5255.0 | 5685.1 | 6157.1 | 6383.3 | 6282.7 |
| 72.5° | 3500.2 | 3477.9 | 3573.1 | 3700.1 | 3889.1 | 4145.0 | 4440.1 | 4779.7 | 5134.8 | 5299.6 | 5259.8 |
| 75° | 2544.1 | 2586.0 | 2635.3 | 2729.1 | 2893.2 | 3095.1 | 3267.9 | 3571.1 | 3849.9 | 4032.3 | 3984.3 |
| 77.5° | 1388.2 | 1404.4 | 1540.8 | 1596.8 | 1740.6 | 1890.5 | 2080.3 | 2293.0 | 2512.4 | 2627.2 | 2580.6 |
| 80° | 825.1 | 856.8 | 937.8 | 1004.7 | 1082.3 | 1196.4 | 1334.2 | 1380.8 | 1424.0 | 1421.3 | 1336.9 |
| 82.5° | 521.2 | 559.7 | 647.5 | 704.9 | 745.4 | 811.6 | 886.5 | 945.3 | 958.1 | 894.6 | 796.7 |
| 85° | 84.4 | 139.8 | 365.3 | 429.4 | 455.1 | 490.9 | 546.2 | 571.2 | 533.4 | 465.9 | 482.8 |
| 87.5° | 33.1 | 39.8 | 111.4 | 141.1 | 149.2 | 78.3 | 135.7 | 159.3 | 81.0 | 41.2 | 93.2 |
| 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: P162235

CATALOG NUMBER: OVF-E04-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 |
| 2.5° | 1321.4 | 1324.7 | 1328.1 | 1332.2 | 1333.5 | 1336.9 | 1343.0 | 1342.3 | 1347.0 | 1349.0 | 1352.4 |
| 5° | 1318.7 | 1326.1 | 1331.5 | 1338.9 | 1341.6 | 1349.0 | 1357.1 | 1359.8 | 1365.9 | 1370.6 | 1374.7 |
| 7.5° | 1324.1 | 1332.2 | 1338.9 | 1347.7 | 1353.8 | 1359.8 | 1365.9 | 1373.3 | 1378.7 | 1382.1 | 1384.8 |
| 10° | 1326.1 | 1334.9 | 1343.0 | 1350.4 | 1357.1 | 1361.9 | 1368.6 | 1374.7 | 1380.1 | 1382.1 | 1382.8 |
| 12.5° | 1326.8 | 1332.8 | 1340.9 | 1349.0 | 1355.1 | 1361.2 | 1365.9 | 1372.7 | 1376.7 | 1377.4 | 1376.0 |
| 15° | 1332.2 | 1332.8 | 1338.2 | 1347.7 | 1353.8 | 1359.8 | 1363.2 | 1366.6 | 1369.3 | 1367.3 | 1365.2 |
| 17.5° | 1348.4 | 1343.6 | 1343.6 | 1348.4 | 1351.7 | 1354.4 | 1355.1 | 1354.4 | 1351.7 | 1347.7 | 1344.3 |
| 20° | 1374.7 | 1365.2 | 1357.8 | 1355.1 | 1349.7 | 1343.0 | 1334.2 | 1326.1 | 1316.0 | 1311.2 | 1310.5 |
| 22.5° | 1415.9 | 1401.7 | 1388.2 | 1374.7 | 1357.1 | 1337.6 | 1317.3 | 1299.7 | 1285.6 | 1278.1 | 1278.8 |
| 25° | 1486.1 | 1465.2 | 1449.6 | 1426.0 | 1397.6 | 1370.0 | 1343.6 | 1320.0 | 1303.1 | 1289.6 | 1292.3 |
| 27.5° | 1580.6 | 1557.0 | 1543.5 | 1516.5 | 1484.1 | 1449.0 | 1417.9 | 1385.5 | 1361.2 | 1344.3 | 1347.7 |
| 30° | 1691.4 | 1684.6 | 1662.3 | 1635.3 | 1604.9 | 1565.1 | 1518.5 | 1469.9 | 1426.0 | 1398.3 | 1392.9 |
| 32.5° | 1825.0 | 1817.6 | 1793.3 | 1770.4 | 1731.2 | 1687.3 | 1626.5 | 1549.6 | 1480.7 | 1428.0 | 1405.1 |
| 35° | 1989.8 | 1971.6 | 1941.9 | 1919.6 | 1875.7 | 1819.0 | 1740.6 | 1636.7 | 1532.0 | 1453.0 | 1395.6 |
| 37.5° | 2195.1 | 2149.8 | 2100.5 | 2042.5 | 1977.6 | 1908.8 | 1818.3 | 1696.8 | 1567.1 | 1455.0 | 1353.1 |
| 40° | 2390.9 | 2317.9 | 2236.2 | 2144.4 | 2065.4 | 1982.4 | 1888.5 | 1749.4 | 1590.8 | 1440.9 | 1288.9 |
| 42.5° | 2608.9 | 2495.5 | 2384.8 | 2258.5 | 2154.5 | 2056.0 | 1948.6 | 1786.6 | 1595.5 | 1402.4 | 1205.9 |
| 45° | 2818.9 | 2673.1 | 2524.5 | 2368.6 | 2236.2 | 2126.9 | 2004.6 | 1818.3 | 1594.1 | 1361.9 | 1123.5 |
| 47.5° | 3006.0 | 2831.8 | 2648.1 | 2472.6 | 2318.6 | 2198.4 | 2064.7 | 1861.5 | 1612.4 | 1350.4 | 1068.8 |
| 50° | 3180.8 | 2979.6 | 2764.2 | 2569.1 | 2401.7 | 2278.8 | 2141.0 | 1929.7 | 1668.4 | 1376.7 | 1060.7 |
| 52.5° | 3361.1 | 3142.3 | 2895.9 | 2685.9 | 2511.0 | 2368.6 | 2229.5 | 2016.8 | 1746.7 | 1430.7 | 1079.0 |
| 55° | 3596.1 | 3344.9 | 3082.3 | 2849.3 | 2648.8 | 2495.5 | 2334.8 | 2122.1 | 1831.1 | 1493.5 | 1113.4 |
| 57.5° | 3945.8 | 3652.1 | 3353.7 | 3103.2 | 2871.6 | 2680.5 | 2504.3 | 2260.5 | 1970.9 | 1588.1 | 1189.0 |
| 60° | 4573.8 | 4248.3 | 3902.6 | 3575.1 | 3308.4 | 3085.0 | 2860.8 | 2558.3 | 2228.8 | 1802.8 | 1362.5 |
| 62.5° | 5599.4 | 5149.0 | 4671.0 | 4240.2 | 3873.6 | 3571.1 | 3255.1 | 2891.9 | 2507.7 | 2063.4 | 1625.2 |
| 65° | 6215.8 | 5594.6 | 4986.3 | 4486.7 | 4053.2 | 3665.6 | 3283.5 | 2893.2 | 2521.2 | 2132.9 | 1743.3 |
| 67° | 6292.1 | 5610.9 | 4937.7 | 4405.6 | 3941.1 | 3519.1 | 3104.5 | 2705.5 | 2372.6 | 2047.2 | 1710.9 |
| 67.5° | 6269.2 | 5578.4 | 4891.8 | 4354.3 | 3885.1 | 3476.6 | 3068.8 | 2660.3 | 2336.2 | 2010.7 | 1686.6 |
| 70° | 5816.8 | 5140.9 | 4461.7 | 3939.1 | 3489.4 | 3071.5 | 2685.9 | 2276.7 | 2026.3 | 1793.3 | 1513.1 |
| 72.5° | 4827.6 | 4300.3 | 3731.1 | 3295.6 | 2907.4 | 2545.5 | 2206.5 | 1864.2 | 1663.0 | 1498.3 | 1301.1 |
| 75° | 3579.9 | 3096.4 | 2615.0 | 2353.0 | 2051.9 | 1762.3 | 1500.3 | 1247.1 | 1169.4 | 1130.3 | 1014.1 |
| 77.5° | 2210.6 | 1776.4 | 1413.9 | 1176.9 | 935.8 | 733.3 | 583.4 | 474.7 | 494.9 | 575.9 | 613.1 |
| 80° | 1100.6 | 812.9 | 629.3 | 500.3 | 404.4 | 326.8 | 239.7 | 175.6 | 210.0 | 249.1 | 282.2 |
| 82.5° | 662.4 | 523.3 | 413.9 | 350.4 | 284.9 | 220.1 | 156.0 | 118.8 | 131.7 | 176.9 | 194.5 |
| 85° | 411.2 | 329.5 | 263.3 | 220.1 | 182.3 | 135.0 | 88.5 | 87.8 | 93.2 | 117.5 | 134.4 |
| 87.5° | 120.9 | 81.7 | 64.8 | 67.5 | 74.9 | 62.1 | 46.6 | 39.8 | 49.3 | 67.5 | 75.6 |
| 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-E04-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 | 1335.5 |
| 2.5° | 1353.1 | 1357.8 | 1359.8 | 1360.5 | 1361.2 | 1365.2 | 1365.2 | 1369.3 | 1370.6 | 1370.6 | 1372.0 |
| 5° | 1378.7 | 1383.5 | 1385.5 | 1386.2 | 1387.5 | 1389.5 | 1388.9 | 1391.6 | 1392.9 | 1392.2 | 1392.2 |
| 7.5° | 1388.2 | 1389.5 | 1389.5 | 1391.6 | 1393.6 | 1391.6 | 1390.2 | 1391.6 | 1390.9 | 1391.6 | 1391.6 |
| 10° | 1384.8 | 1383.5 | 1383.5 | 1382.1 | 1384.1 | 1380.1 | 1380.1 | 1381.4 | 1380.8 | 1382.1 | 1384.1 |
| 12.5° | 1376.7 | 1376.0 | 1374.0 | 1373.3 | 1376.0 | 1373.3 | 1374.0 | 1376.0 | 1377.4 | 1380.1 | 1383.5 |
| 15° | 1365.2 | 1363.2 | 1363.2 | 1365.9 | 1372.7 | 1374.7 | 1377.4 | 1380.8 | 1381.4 | 1382.8 | 1384.1 |
| 17.5° | 1345.7 | 1349.0 | 1357.1 | 1366.6 | 1379.4 | 1384.1 | 1385.5 | 1383.5 | 1376.7 | 1371.3 | 1365.9 |
| 20° | 1318.7 | 1333.5 | 1354.4 | 1374.7 | 1390.2 | 1389.5 | 1380.8 | 1367.9 | 1351.7 | 1340.3 | 1332.8 |
| 22.5° | 1295.7 | 1324.7 | 1357.1 | 1381.4 | 1391.6 | 1378.7 | 1358.5 | 1338.9 | 1320.0 | 1303.1 | 1288.3 |
| 25° | 1311.9 | 1339.6 | 1367.3 | 1382.1 | 1381.4 | 1359.2 | 1332.2 | 1310.5 | 1284.9 | 1261.3 | 1236.3 |
| 27.5° | 1364.6 | 1381.4 | 1389.5 | 1384.8 | 1370.6 | 1340.9 | 1311.2 | 1280.8 | 1247.8 | 1219.4 | 1190.4 |
| 30° | 1400.3 | 1400.3 | 1392.2 | 1373.3 | 1348.4 | 1315.3 | 1278.8 | 1239.7 | 1200.5 | 1167.4 | 1134.3 |
| 32.5° | 1388.9 | 1362.5 | 1338.9 | 1313.2 | 1284.9 | 1249.1 | 1207.2 | 1164.7 | 1120.1 | 1081.7 | 1053.3 |
| 35° | 1338.9 | 1282.2 | 1232.9 | 1196.4 | 1166.7 | 1124.2 | 1075.6 | 1027.0 | 990.5 | 964.2 | 948.0 |
| 37.5° | 1249.8 | 1159.3 | 1087.7 | 1043.2 | 997.3 | 953.4 | 897.3 | 875.0 | 842.6 | 826.4 | 820.4 |
| 40° | 1141.8 | 1009.4 | 919.6 | 862.2 | 813.6 | 758.9 | 721.1 | 706.9 | 694.8 | 691.4 | 688.7 |
| 42.5° | 1017.5 | 852.1 | 745.4 | 686.0 | 627.3 | 587.4 | 570.5 | 561.8 | 559.7 | 559.7 | 563.1 |
| 45° | 888.6 | 692.1 | 569.2 | 521.2 | 472.6 | 451.7 | 447.7 | 443.6 | 444.3 | 442.3 | 443.6 |
| 47.5° | 788.6 | 555.7 | 429.4 | 385.5 | 360.6 | 353.8 | 349.1 | 347.7 | 347.7 | 344.3 | 340.3 |
| 50° | 736.6 | 464.5 | 336.9 | 302.5 | 288.3 | 283.6 | 283.6 | 280.9 | 275.5 | 272.1 | 263.3 |
| 52.5° | 723.1 | 417.3 | 291.7 | 262.0 | 249.8 | 245.8 | 241.7 | 237.7 | 229.6 | 222.1 | 212.0 |
| 55° | 733.9 | 402.4 | 277.5 | 249.8 | 236.3 | 231.6 | 228.2 | 221.5 | 210.0 | 199.2 | 187.7 |
| 57.5° | 779.2 | 411.9 | 282.9 | 253.2 | 241.0 | 237.7 | 234.3 | 224.2 | 210.0 | 194.5 | 181.6 |
| 60° | 902.7 | 456.4 | 305.9 | 271.4 | 261.3 | 262.0 | 257.2 | 244.4 | 224.2 | 201.9 | 183.0 |
| 62.5° | 1062.1 | 518.5 | 335.6 | 297.1 | 295.7 | 302.5 | 302.5 | 280.2 | 247.1 | 213.4 | 187.7 |
| 65° | 1153.2 | 538.1 | 339.6 | 300.5 | 311.9 | 331.5 | 330.2 | 300.5 | 255.2 | 213.4 | 185.7 |
| 67° | 1130.3 | 517.2 | 322.7 | 280.9 | 294.4 | 316.7 | 314.0 | 285.6 | 243.1 | 204.6 | 180.3 |
| 67.5° | 1112.0 | 510.4 | 318.7 | 276.2 | 289.7 | 307.9 | 307.9 | 279.5 | 237.7 | 201.9 | 178.3 |
| 70° | 979.0 | 451.0 | 298.4 | 257.9 | 257.9 | 262.6 | 259.3 | 239.0 | 210.7 | 185.7 | 170.1 |
| 72.5° | 816.3 | 394.3 | 282.2 | 245.1 | 232.3 | 229.6 | 224.8 | 210.7 | 192.4 | 174.9 | 161.4 |
| 75° | 632.7 | 349.1 | 269.4 | 231.6 | 214.7 | 208.6 | 203.9 | 193.1 | 178.9 | 164.1 | 152.6 |
| 77.5° | 442.9 | 299.1 | 252.5 | 220.1 | 201.9 | 197.2 | 189.7 | 177.6 | 166.1 | 153.3 | 142.5 |
| 80° | 274.8 | 247.1 | 220.1 | 198.5 | 179.6 | 172.8 | 163.4 | 152.6 | 143.1 | 135.7 | 127.6 |
| 82.5° | 195.8 | 181.6 | 164.1 | 152.6 | 133.0 | 112.8 | 120.9 | 121.5 | 115.5 | 110.7 | 108.7 |
| 85° | 131.0 | 118.2 | 109.4 | 99.3 | 87.8 | 79.0 | 81.0 | 87.1 | 87.8 | 85.7 | 85.7 |
| 87.5° | 71.6 | 60.8 | 58.7 | 60.8 | 52.7 | 50.0 | 50.6 | 56.0 | 56.7 | 56.7 | 57.4 |
| 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: P162235

CATALOG NUMBER: OVF-E04-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1335.5 | 1335.5 | 1335.5 | 1335.5 |
| 2.5° | 1372.7 | 1374.7 | 1374.0 | 1375.4 |
| 5° | 1393.6 | 1394.9 | 1394.3 | 1394.9 |
| 7.5° | 1390.2 | 1392.9 | 1394.3 | 1392.2 |
| 10° | 1384.8 | 1388.9 | 1391.6 | 1391.6 |
| 12.5° | 1386.2 | 1392.9 | 1397.0 | 1397.0 |
| 15° | 1384.8 | 1390.2 | 1391.6 | 1391.6 |
| 17.5° | 1363.9 | 1363.9 | 1364.6 | 1361.9 |
| 20° | 1327.4 | 1323.4 | 1322.0 | 1317.3 |
| 22.5° | 1275.4 | 1266.0 | 1259.9 | 1256.5 |
| 25° | 1216.0 | 1201.2 | 1191.7 | 1186.3 |
| 27.5° | 1166.7 | 1153.9 | 1144.5 | 1139.1 |
| 30° | 1112.0 | 1097.2 | 1091.8 | 1087.7 |
| 32.5° | 1033.0 | 1018.9 | 1014.8 | 1011.4 |
| 35° | 930.4 | 925.7 | 914.9 | 907.5 |
| 37.5° | 811.6 | 805.5 | 801.5 | 798.8 |
| 40° | 687.3 | 688.0 | 684.6 | 678.6 |
| 42.5° | 563.1 | 569.9 | 563.1 | 561.8 |
| 45° | 442.3 | 449.7 | 449.7 | 451.7 |
| 47.5° | 341.0 | 339.6 | 342.3 | 343.0 |
| 50° | 257.9 | 253.9 | 252.5 | 250.5 |
| 52.5° | 204.6 | 199.9 | 197.2 | 193.8 |
| 55° | 180.3 | 174.9 | 172.2 | 171.5 |
| 57.5° | 172.2 | 165.4 | 161.4 | 160.7 |
| 60° | 170.1 | 160.7 | 155.3 | 153.9 |
| 62.5° | 170.1 | 158.7 | 152.6 | 150.6 |
| 65° | 168.1 | 156.6 | 151.2 | 149.2 |
| 67° | 165.4 | 155.3 | 149.9 | 148.5 |
| 67.5° | 164.1 | 154.6 | 149.9 | 147.9 |
| 70° | 160.7 | 152.6 | 147.2 | 145.2 |
| 72.5° | 153.3 | 146.5 | 141.1 | 139.8 |
| 75° | 145.2 | 139.1 | 135.7 | 134.4 |
| 77.5° | 135.7 | 130.3 | 126.3 | 122.9 |
| 80° | 121.5 | 115.5 | 109.4 | 108.0 |
| 82.5° | 103.3 | 96.6 | 91.8 | 91.2 |
| 85° | 83.0 | 77.6 | 72.2 | 72.2 |
| 87.5° | 58.1 | 54.7 | 51.3 | 47.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)