

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: P162216

Luminaire Tested: **OVF-E02-LED-E-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162216
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-E02-LED-E-U-T4-7030
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5368 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

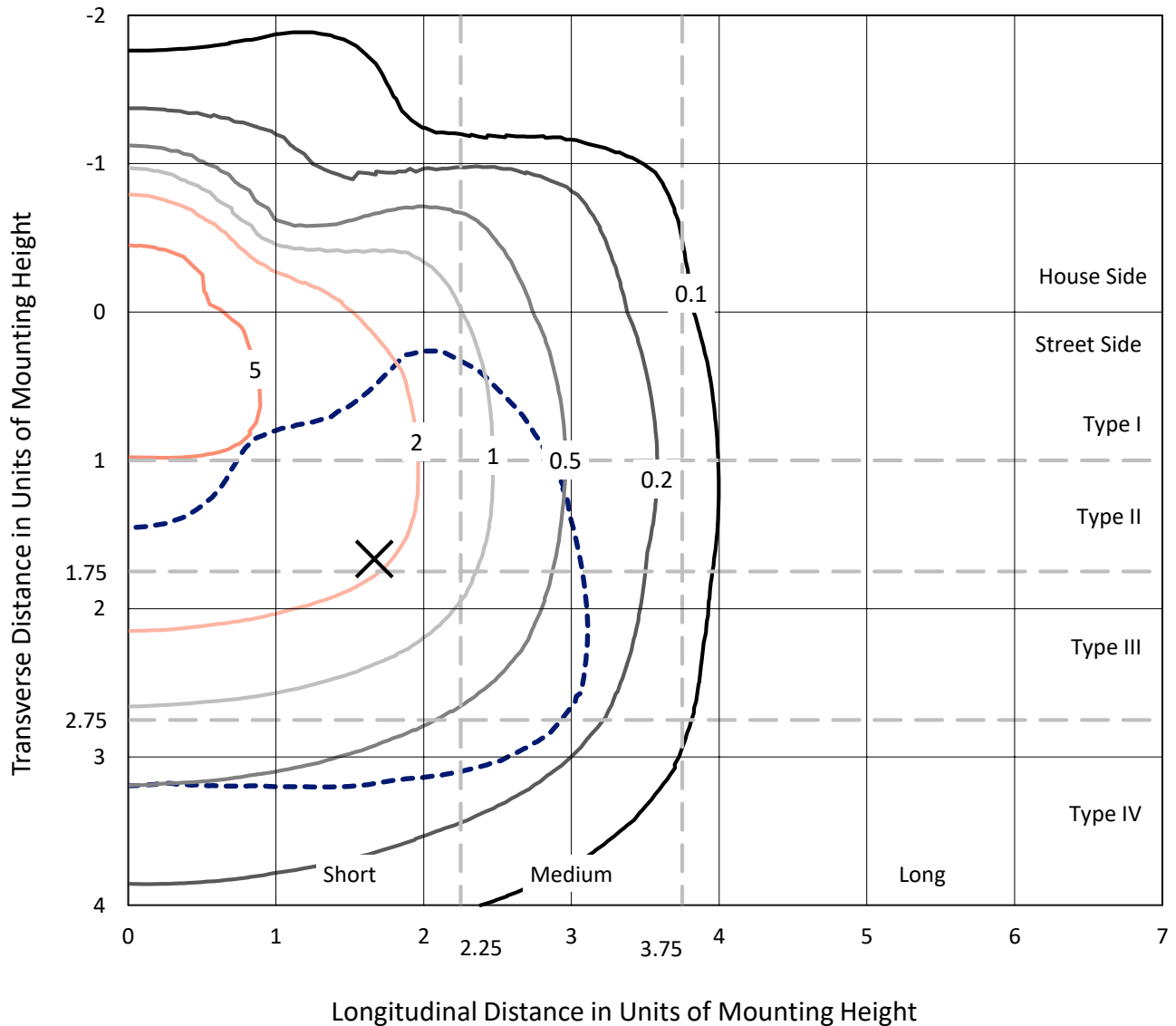
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P162216
 CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

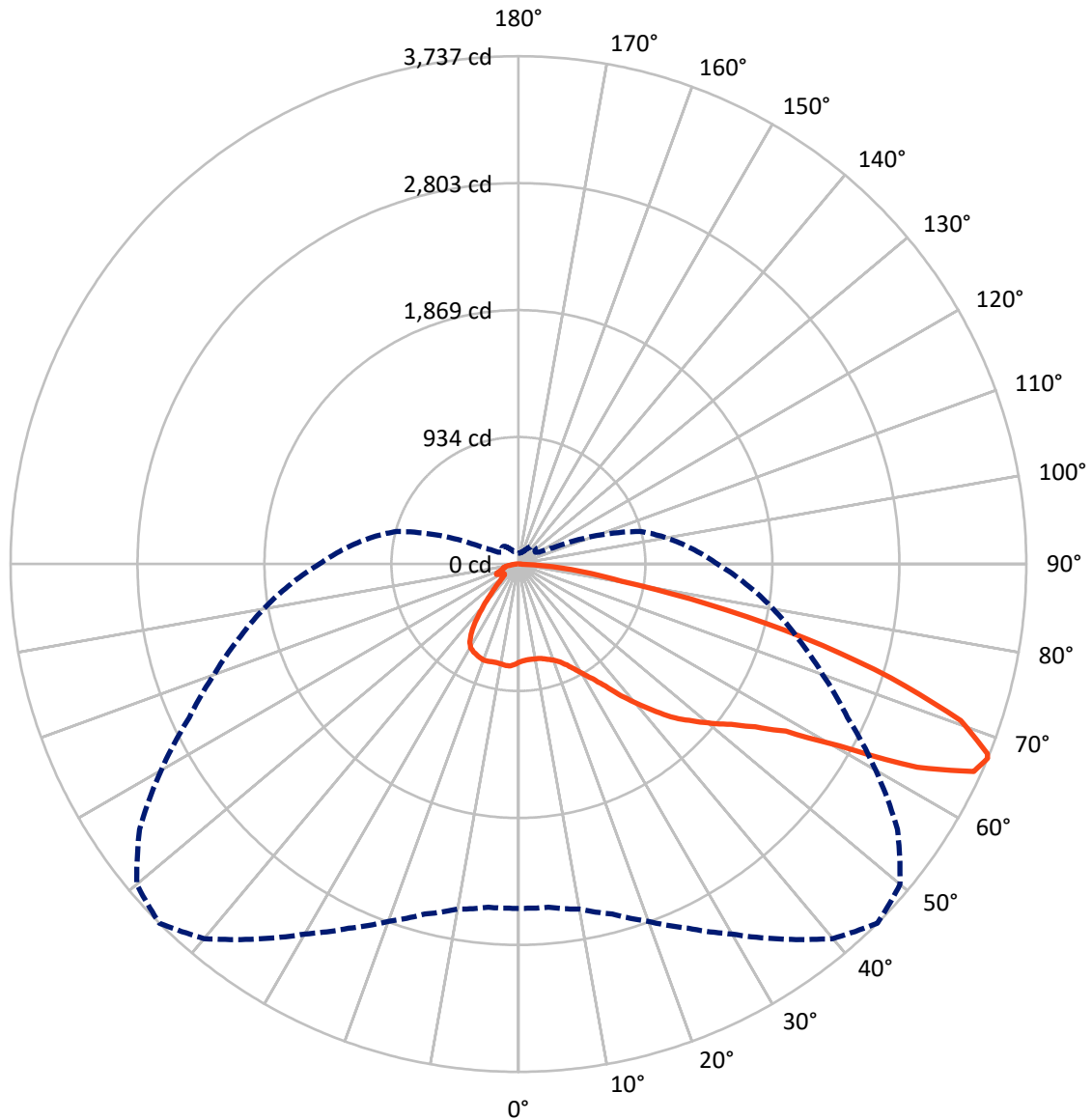
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P162216
CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P162216

CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1087.7 | 0.0 | 1087.7 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 4280.3 | 0.0 | 4280.3 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 5368.0 | 0.0 | 5368.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.7 | 1.3 |
| 10°-20° | 209.1 | 3.9 |
| 20°-30° | 355.5 | 6.6 |
| 30°-40° | 534.2 | 10.0 |
| 40°-50° | 694.6 | 12.9 |
| 50°-60° | 953.7 | 17.8 |
| 60°-70° | 1504.5 | 28.0 |
| 70°-80° | 909.0 | 16.9 |
| 80°-90° | 137.7 | 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° | 5368.0 | 100.0 |
| 0°-180° | 5368.0 | 100.0 |



REPORT NUMBER: P162216

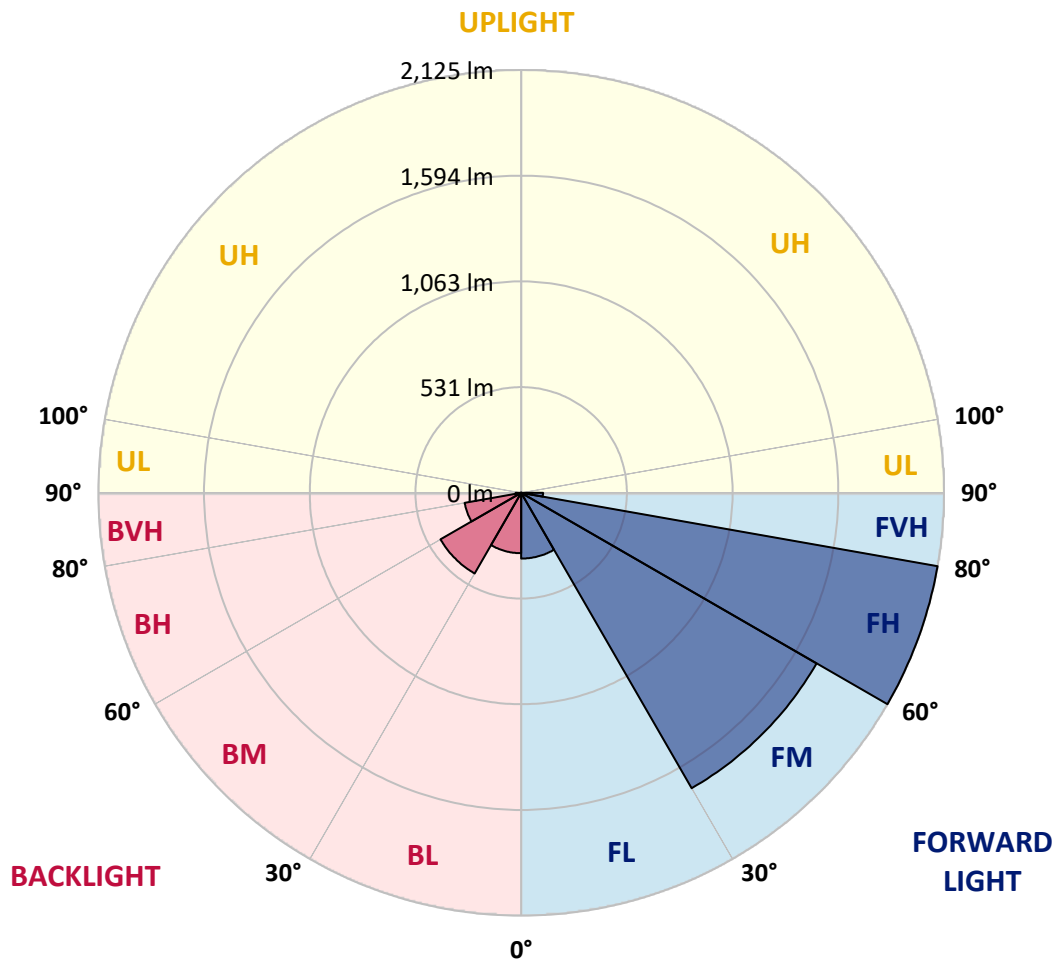
CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 330.6 | 6.2 | | | |
| FM | (30°-60°) | 1714.5 | 31.9 | | | |
| FH | (60°-80°) | 2125.3 | 39.6 | | | G2/5000 |
| FVH | (80°-90°) | 110.0 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 303.7 | 5.7 | B1/500 | | |
| BM | (30°-60°) | 468.1 | 8.7 | B1/1000 | | |
| BH | (60°-80°) | 288.2 | 5.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 27.7 | 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





REPORT NUMBER: P162216

CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 |
| 2.5° | 706.6 | 708.0 | 706.9 | 706.9 | 707.3 | 707.7 | 708.4 | 709.9 | 710.2 | 712.4 | 712.8 |
| 5° | 692.3 | 692.7 | 692.7 | 693.1 | 695.2 | 697.1 | 698.9 | 701.5 | 703.6 | 707.7 | 710.2 |
| 7.5° | 687.2 | 688.7 | 688.3 | 689.0 | 691.2 | 693.1 | 695.2 | 698.9 | 704.4 | 707.7 | 711.3 |
| 10° | 695.6 | 696.7 | 695.6 | 696.0 | 696.3 | 698.2 | 698.9 | 701.5 | 705.8 | 708.8 | 712.0 |
| 12.5° | 715.0 | 715.0 | 713.9 | 713.1 | 712.0 | 712.4 | 711.0 | 710.6 | 712.8 | 713.1 | 713.5 |
| 15° | 740.5 | 743.5 | 739.8 | 736.9 | 735.4 | 734.0 | 729.2 | 727.4 | 727.0 | 723.7 | 720.5 |
| 17.5° | 766.5 | 767.2 | 765.0 | 761.7 | 759.5 | 756.3 | 752.2 | 748.6 | 744.2 | 739.1 | 732.5 |
| 20° | 795.3 | 795.7 | 792.8 | 788.0 | 785.5 | 781.5 | 776.3 | 770.1 | 764.7 | 756.6 | 749.3 |
| 22.5° | 835.5 | 835.2 | 829.3 | 825.3 | 821.6 | 816.9 | 809.6 | 801.2 | 792.4 | 782.9 | 772.7 |
| 25° | 881.6 | 881.6 | 877.5 | 871.0 | 869.1 | 862.2 | 854.2 | 844.3 | 835.2 | 821.6 | 809.2 |
| 27.5° | 934.2 | 934.5 | 927.2 | 923.6 | 919.6 | 912.3 | 906.8 | 899.1 | 886.7 | 873.2 | 860.4 |
| 30° | 996.6 | 994.8 | 989.0 | 981.3 | 979.8 | 974.0 | 966.3 | 960.8 | 945.5 | 936.0 | 921.8 |
| 32.5° | 1055.8 | 1058.8 | 1057.3 | 1048.5 | 1050.0 | 1044.1 | 1037.6 | 1033.5 | 1017.5 | 1008.3 | 995.2 |
| 35° | 1144.2 | 1146.8 | 1149.0 | 1145.7 | 1147.5 | 1144.2 | 1138.8 | 1128.2 | 1115.0 | 1103.0 | 1084.7 |
| 37.5° | 1212.9 | 1215.5 | 1216.9 | 1225.0 | 1236.7 | 1248.0 | 1253.1 | 1247.6 | 1248.4 | 1230.1 | 1205.6 |
| 40° | 1269.2 | 1275.4 | 1284.2 | 1299.5 | 1322.9 | 1344.5 | 1356.1 | 1365.3 | 1370.0 | 1352.9 | 1321.1 |
| 42.5° | 1325.5 | 1332.0 | 1344.1 | 1368.6 | 1400.7 | 1431.8 | 1456.2 | 1484.4 | 1489.5 | 1485.1 | 1458.1 |
| 45° | 1384.3 | 1391.9 | 1406.9 | 1434.7 | 1472.3 | 1512.9 | 1552.3 | 1592.2 | 1612.2 | 1615.5 | 1582.7 |
| 47.5° | 1455.1 | 1466.1 | 1480.0 | 1511.4 | 1547.9 | 1593.6 | 1642.9 | 1694.1 | 1725.5 | 1725.5 | 1687.5 |
| 50° | 1543.6 | 1556.0 | 1567.7 | 1599.1 | 1635.6 | 1682.8 | 1739.7 | 1796.7 | 1839.5 | 1842.0 | 1796.0 |
| 52.5° | 1667.4 | 1669.2 | 1676.2 | 1705.0 | 1736.8 | 1789.4 | 1843.5 | 1909.6 | 1959.0 | 1961.1 | 1908.2 |
| 55° | 1817.9 | 1817.9 | 1826.0 | 1850.1 | 1879.7 | 1923.2 | 1979.0 | 2052.5 | 2104.4 | 2115.7 | 2047.7 |
| 57.5° | 2015.9 | 2023.3 | 2027.3 | 2055.4 | 2075.5 | 2121.5 | 2168.3 | 2248.3 | 2314.4 | 2321.7 | 2252.7 |
| 60° | 2338.2 | 2324.3 | 2346.6 | 2371.4 | 2418.6 | 2452.2 | 2531.8 | 2612.2 | 2696.6 | 2716.7 | 2642.5 |
| 62.5° | 2655.7 | 2670.6 | 2698.0 | 2743.0 | 2823.7 | 2899.0 | 3013.0 | 3135.0 | 3266.1 | 3293.2 | 3236.5 |
| 65° | 2675.4 | 2684.5 | 2722.5 | 2800.0 | 2910.3 | 3044.4 | 3201.5 | 3385.2 | 3580.7 | 3681.9 | 3586.9 |
| 67° | 2533.6 | 2536.2 | 2579.3 | 2667.3 | 2799.6 | 2958.5 | 3144.5 | 3368.8 | 3598.2 | 3737.4 | 3666.6 |
| 67.5° | 2488.7 | 2493.4 | 2535.8 | 2625.7 | 2759.4 | 2922.0 | 3111.6 | 3342.1 | 3577.0 | 3722.5 | 3658.5 |
| 70° | 2224.9 | 2224.9 | 2270.6 | 2361.2 | 2486.5 | 2645.1 | 2843.4 | 3076.2 | 3331.5 | 3453.9 | 3399.5 |
| 72.5° | 1893.9 | 1881.9 | 1933.4 | 2002.1 | 2104.4 | 2242.8 | 2402.5 | 2586.2 | 2778.4 | 2867.6 | 2846.0 |
| 75° | 1376.6 | 1399.3 | 1425.9 | 1476.7 | 1565.5 | 1674.7 | 1768.2 | 1932.3 | 2083.2 | 2181.8 | 2155.9 |
| 77.5° | 751.1 | 759.9 | 833.7 | 864.0 | 941.8 | 1023.0 | 1125.6 | 1240.7 | 1359.4 | 1421.5 | 1396.3 |
| 80° | 446.4 | 463.6 | 507.5 | 543.6 | 585.6 | 647.4 | 721.9 | 747.1 | 770.5 | 769.0 | 723.4 |
| 82.5° | 282.0 | 302.9 | 350.4 | 381.4 | 403.3 | 439.1 | 479.7 | 511.5 | 518.4 | 484.1 | 431.1 |
| 85° | 45.7 | 75.6 | 197.6 | 232.4 | 246.2 | 265.6 | 295.6 | 309.1 | 288.6 | 252.1 | 261.2 |
| 87.5° | 17.9 | 21.6 | 60.3 | 76.4 | 80.7 | 42.4 | 73.4 | 86.2 | 43.8 | 22.3 | 50.4 |
| 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: P162216

CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 |
| 2.5° | 715.0 | 716.8 | 718.6 | 720.8 | 721.5 | 723.4 | 726.7 | 726.3 | 728.9 | 729.9 | 731.8 |
| 5° | 713.5 | 717.5 | 720.5 | 724.5 | 725.9 | 729.9 | 734.3 | 735.8 | 739.1 | 741.6 | 743.8 |
| 7.5° | 716.4 | 720.8 | 724.5 | 729.2 | 732.5 | 735.8 | 739.1 | 743.1 | 746.0 | 747.9 | 749.3 |
| 10° | 717.5 | 722.3 | 726.7 | 730.7 | 734.3 | 736.9 | 740.5 | 743.8 | 746.8 | 747.9 | 748.2 |
| 12.5° | 717.9 | 721.2 | 725.6 | 729.9 | 733.2 | 736.5 | 739.1 | 742.7 | 744.9 | 745.3 | 744.6 |
| 15° | 720.8 | 721.2 | 724.1 | 729.2 | 732.5 | 735.8 | 737.6 | 739.4 | 740.9 | 739.8 | 738.7 |
| 17.5° | 729.6 | 727.0 | 727.0 | 729.6 | 731.4 | 732.9 | 733.2 | 732.9 | 731.4 | 729.2 | 727.4 |
| 20° | 743.8 | 738.7 | 734.7 | 733.2 | 730.3 | 726.7 | 721.9 | 717.5 | 712.0 | 709.5 | 709.1 |
| 22.5° | 766.1 | 758.4 | 751.1 | 743.8 | 734.3 | 723.7 | 712.8 | 703.3 | 695.6 | 691.6 | 692.0 |
| 25° | 804.1 | 792.8 | 784.4 | 771.6 | 756.3 | 741.3 | 727.0 | 714.2 | 705.1 | 697.8 | 699.3 |
| 27.5° | 855.3 | 842.5 | 835.2 | 820.6 | 803.0 | 784.0 | 767.2 | 749.7 | 736.5 | 727.4 | 729.2 |
| 30° | 915.2 | 911.5 | 899.5 | 884.9 | 868.4 | 846.9 | 821.6 | 795.3 | 771.6 | 756.6 | 753.7 |
| 32.5° | 987.5 | 983.5 | 970.3 | 957.9 | 936.7 | 913.0 | 880.1 | 838.5 | 801.2 | 772.7 | 760.3 |
| 35° | 1076.7 | 1066.8 | 1050.7 | 1038.7 | 1014.9 | 984.2 | 941.8 | 885.6 | 829.0 | 786.2 | 755.2 |
| 37.5° | 1187.7 | 1163.2 | 1136.6 | 1105.2 | 1070.1 | 1032.8 | 983.9 | 918.1 | 848.0 | 787.3 | 732.1 |
| 40° | 1293.7 | 1254.2 | 1210.0 | 1160.3 | 1117.6 | 1072.6 | 1021.9 | 946.6 | 860.7 | 779.6 | 697.4 |
| 42.5° | 1411.7 | 1350.3 | 1290.4 | 1222.1 | 1165.8 | 1112.5 | 1054.4 | 966.7 | 863.3 | 758.8 | 652.5 |
| 45° | 1525.3 | 1446.4 | 1366.0 | 1281.6 | 1210.0 | 1150.8 | 1084.7 | 983.9 | 862.6 | 736.9 | 607.9 |
| 47.5° | 1626.5 | 1532.2 | 1432.9 | 1337.9 | 1254.6 | 1189.5 | 1117.2 | 1007.2 | 872.4 | 730.7 | 578.3 |
| 50° | 1721.1 | 1612.2 | 1495.7 | 1390.1 | 1299.5 | 1233.0 | 1158.5 | 1044.1 | 902.8 | 744.9 | 573.9 |
| 52.5° | 1818.7 | 1700.3 | 1566.9 | 1453.3 | 1358.7 | 1281.6 | 1206.4 | 1091.3 | 945.1 | 774.2 | 583.8 |
| 55° | 1945.8 | 1809.9 | 1667.8 | 1541.7 | 1433.2 | 1350.3 | 1263.3 | 1148.3 | 990.8 | 808.1 | 602.4 |
| 57.5° | 2135.0 | 1976.1 | 1814.6 | 1679.1 | 1553.8 | 1450.4 | 1355.0 | 1223.2 | 1066.4 | 859.3 | 643.4 |
| 60° | 2474.8 | 2298.7 | 2111.7 | 1934.5 | 1790.2 | 1669.2 | 1547.9 | 1384.3 | 1206.0 | 975.5 | 737.3 |
| 62.5° | 3029.8 | 2786.1 | 2527.4 | 2294.3 | 2096.0 | 1932.3 | 1761.3 | 1564.8 | 1356.9 | 1116.5 | 879.4 |
| 65° | 3363.3 | 3027.2 | 2698.0 | 2427.7 | 2193.1 | 1983.4 | 1776.6 | 1565.5 | 1364.2 | 1154.1 | 943.3 |
| 67° | 3404.6 | 3036.0 | 2671.7 | 2383.8 | 2132.5 | 1904.2 | 1679.8 | 1463.9 | 1283.8 | 1107.7 | 925.8 |
| 67.5° | 3392.2 | 3018.4 | 2646.9 | 2356.1 | 2102.2 | 1881.1 | 1660.5 | 1439.4 | 1264.1 | 1088.0 | 912.6 |
| 70° | 3147.4 | 2781.7 | 2414.2 | 2131.4 | 1888.1 | 1661.9 | 1453.3 | 1231.9 | 1096.4 | 970.3 | 818.7 |
| 72.5° | 2612.2 | 2326.9 | 2018.9 | 1783.2 | 1573.2 | 1377.3 | 1193.9 | 1008.7 | 899.8 | 810.7 | 704.0 |
| 75° | 1937.0 | 1675.4 | 1415.0 | 1273.2 | 1110.3 | 953.5 | 811.8 | 674.8 | 632.8 | 611.6 | 548.7 |
| 77.5° | 1196.1 | 961.2 | 765.0 | 636.8 | 506.4 | 396.8 | 315.7 | 256.8 | 267.8 | 311.6 | 331.7 |
| 80° | 595.5 | 439.9 | 340.5 | 270.7 | 218.8 | 176.8 | 129.7 | 95.0 | 113.6 | 134.8 | 152.7 |
| 82.5° | 358.4 | 283.1 | 224.0 | 189.6 | 154.2 | 119.1 | 84.4 | 64.3 | 71.2 | 95.7 | 105.2 |
| 85° | 222.5 | 178.3 | 142.5 | 119.1 | 98.6 | 73.1 | 47.9 | 47.5 | 50.4 | 63.6 | 72.7 |
| 87.5° | 65.4 | 44.2 | 35.1 | 36.5 | 40.6 | 33.6 | 25.2 | 21.6 | 26.7 | 36.5 | 40.9 |
| 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: P162216

CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 | 722.6 |
| 2.5° | 732.1 | 734.7 | 735.8 | 736.2 | 736.5 | 738.7 | 738.7 | 740.9 | 741.6 | 741.6 | 742.4 |
| 5° | 746.0 | 748.6 | 749.7 | 750.0 | 750.8 | 751.9 | 751.5 | 753.0 | 753.7 | 753.3 | 753.3 |
| 7.5° | 751.1 | 751.9 | 751.9 | 753.0 | 754.1 | 753.0 | 752.2 | 753.0 | 752.6 | 753.0 | 753.0 |
| 10° | 749.3 | 748.6 | 748.6 | 747.9 | 748.9 | 746.8 | 746.8 | 747.5 | 747.1 | 747.9 | 748.9 |
| 12.5° | 744.9 | 744.6 | 743.5 | 743.1 | 744.6 | 743.1 | 743.5 | 744.6 | 745.3 | 746.8 | 748.6 |
| 15° | 738.7 | 737.6 | 737.6 | 739.1 | 742.7 | 743.8 | 745.3 | 747.1 | 747.5 | 748.2 | 748.9 |
| 17.5° | 728.1 | 729.9 | 734.3 | 739.4 | 746.4 | 748.9 | 749.7 | 748.6 | 744.9 | 742.0 | 739.1 |
| 20° | 713.5 | 721.5 | 732.9 | 743.8 | 752.2 | 751.9 | 747.1 | 740.2 | 731.4 | 725.2 | 721.2 |
| 22.5° | 701.1 | 716.8 | 734.3 | 747.5 | 753.0 | 746.0 | 735.1 | 724.5 | 714.2 | 705.1 | 697.1 |
| 25° | 709.9 | 724.8 | 739.8 | 747.9 | 747.5 | 735.4 | 720.8 | 709.1 | 695.2 | 682.5 | 668.9 |
| 27.5° | 738.4 | 747.5 | 751.9 | 749.3 | 741.6 | 725.6 | 709.5 | 693.1 | 675.1 | 659.8 | 644.1 |
| 30° | 757.7 | 757.7 | 753.3 | 743.1 | 729.6 | 711.7 | 692.0 | 670.8 | 649.6 | 631.7 | 613.8 |
| 32.5° | 751.5 | 737.3 | 724.5 | 710.6 | 695.2 | 675.9 | 653.2 | 630.2 | 606.1 | 585.3 | 569.9 |
| 35° | 724.5 | 693.8 | 667.1 | 647.4 | 631.3 | 608.3 | 582.0 | 555.7 | 536.0 | 521.7 | 512.9 |
| 37.5° | 676.2 | 627.3 | 588.6 | 564.5 | 539.6 | 515.9 | 485.5 | 473.5 | 455.9 | 447.2 | 443.9 |
| 40° | 617.8 | 546.2 | 497.6 | 466.5 | 440.2 | 410.6 | 390.2 | 382.5 | 375.9 | 374.1 | 372.6 |
| 42.5° | 550.6 | 461.1 | 403.3 | 371.2 | 339.4 | 317.8 | 308.7 | 304.0 | 302.9 | 302.9 | 304.7 |
| 45° | 480.8 | 374.5 | 308.0 | 282.0 | 255.7 | 244.4 | 242.2 | 240.0 | 240.4 | 239.3 | 240.0 |
| 47.5° | 426.7 | 300.7 | 232.4 | 208.6 | 195.1 | 191.4 | 188.9 | 188.2 | 188.2 | 186.3 | 184.1 |
| 50° | 398.6 | 251.4 | 182.3 | 163.7 | 156.0 | 153.4 | 153.4 | 152.0 | 149.1 | 147.2 | 142.5 |
| 52.5° | 391.3 | 225.8 | 157.8 | 141.8 | 135.2 | 133.0 | 130.8 | 128.6 | 124.2 | 120.2 | 114.7 |
| 55° | 397.1 | 217.7 | 150.2 | 135.2 | 127.9 | 125.3 | 123.5 | 119.8 | 113.6 | 107.8 | 101.6 |
| 57.5° | 421.6 | 222.9 | 153.1 | 137.0 | 130.4 | 128.6 | 126.8 | 121.3 | 113.6 | 105.2 | 98.3 |
| 60° | 488.5 | 247.0 | 165.5 | 146.9 | 141.4 | 141.8 | 139.2 | 132.3 | 121.3 | 109.2 | 99.0 |
| 62.5° | 574.7 | 280.6 | 181.6 | 160.7 | 160.0 | 163.7 | 163.7 | 151.6 | 133.7 | 115.4 | 101.6 |
| 65° | 624.0 | 291.2 | 183.8 | 162.6 | 168.8 | 179.4 | 178.7 | 162.6 | 138.1 | 115.4 | 100.5 |
| 67° | 611.6 | 279.9 | 174.6 | 152.0 | 159.3 | 171.3 | 169.9 | 154.5 | 131.5 | 110.7 | 97.5 |
| 67.5° | 601.7 | 276.2 | 172.4 | 149.4 | 156.7 | 166.6 | 166.6 | 151.3 | 128.6 | 109.2 | 96.4 |
| 70° | 529.7 | 244.0 | 161.5 | 139.6 | 139.6 | 142.1 | 140.3 | 129.3 | 114.0 | 100.5 | 92.1 |
| 72.5° | 441.7 | 213.4 | 152.7 | 132.6 | 125.7 | 124.2 | 121.7 | 114.0 | 104.1 | 94.6 | 87.3 |
| 75° | 342.3 | 188.9 | 145.8 | 125.3 | 116.2 | 112.9 | 110.3 | 104.5 | 96.8 | 88.8 | 82.6 |
| 77.5° | 239.7 | 161.8 | 136.6 | 119.1 | 109.2 | 106.7 | 102.7 | 96.1 | 89.9 | 82.9 | 77.1 |
| 80° | 148.7 | 133.7 | 119.1 | 107.4 | 97.2 | 93.5 | 88.4 | 82.6 | 77.5 | 73.4 | 69.0 |
| 82.5° | 105.9 | 98.3 | 88.8 | 82.6 | 72.0 | 61.0 | 65.4 | 65.8 | 62.5 | 59.9 | 58.8 |
| 85° | 70.9 | 63.9 | 59.2 | 53.7 | 47.5 | 42.7 | 43.8 | 47.1 | 47.5 | 46.4 | 46.4 |
| 87.5° | 38.7 | 32.9 | 31.8 | 32.9 | 28.5 | 27.0 | 27.4 | 30.3 | 30.7 | 30.7 | 31.1 |
| 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: P162216

CATALOG NUMBER: OVF-E02-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 722.6 | 722.6 | 722.6 | 722.6 |
| 2.5° | 742.7 | 743.8 | 743.5 | 744.2 |
| 5° | 754.1 | 754.8 | 754.4 | 754.8 |
| 7.5° | 752.2 | 753.7 | 754.4 | 753.3 |
| 10° | 749.3 | 751.5 | 753.0 | 753.0 |
| 12.5° | 750.0 | 753.7 | 755.9 | 755.9 |
| 15° | 749.3 | 752.2 | 753.0 | 753.0 |
| 17.5° | 738.0 | 738.0 | 738.4 | 736.9 |
| 20° | 718.3 | 716.1 | 715.3 | 712.8 |
| 22.5° | 690.1 | 685.0 | 681.7 | 679.9 |
| 25° | 658.0 | 649.9 | 644.8 | 641.9 |
| 27.5° | 631.3 | 624.4 | 619.3 | 616.3 |
| 30° | 601.7 | 593.7 | 590.8 | 588.6 |
| 32.5° | 559.0 | 551.3 | 549.1 | 547.3 |
| 35° | 503.4 | 500.9 | 495.0 | 491.0 |
| 37.5° | 439.1 | 435.9 | 433.7 | 432.2 |
| 40° | 371.9 | 372.3 | 370.5 | 367.2 |
| 42.5° | 304.7 | 308.3 | 304.7 | 304.0 |
| 45° | 239.3 | 243.3 | 243.3 | 244.4 |
| 47.5° | 184.5 | 183.8 | 185.2 | 185.6 |
| 50° | 139.6 | 137.4 | 136.6 | 135.5 |
| 52.5° | 110.7 | 108.1 | 106.7 | 104.9 |
| 55° | 97.5 | 94.6 | 93.2 | 92.8 |
| 57.5° | 93.2 | 89.5 | 87.3 | 87.0 |
| 60° | 92.1 | 87.0 | 84.0 | 83.3 |
| 62.5° | 92.1 | 85.9 | 82.6 | 81.5 |
| 65° | 91.0 | 84.8 | 81.8 | 80.7 |
| 67° | 89.5 | 84.0 | 81.1 | 80.4 |
| 67.5° | 88.8 | 83.7 | 81.1 | 80.0 |
| 70° | 87.0 | 82.6 | 79.6 | 78.5 |
| 72.5° | 82.9 | 79.3 | 76.4 | 75.6 |
| 75° | 78.5 | 75.3 | 73.4 | 72.7 |
| 77.5° | 73.4 | 70.5 | 68.3 | 66.5 |
| 80° | 65.8 | 62.5 | 59.2 | 58.5 |
| 82.5° | 55.9 | 52.2 | 49.7 | 49.3 |
| 85° | 44.9 | 42.0 | 39.1 | 39.1 |
| 87.5° | 31.4 | 29.6 | 27.8 | 25.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)