

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: P161921

Luminaire Tested: **OVF-F02-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P161921
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: OVF-F02-LED-E-U-SL4-7030
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4346.1 lumens
Efficiency: N/A
Efficacy: 79.0 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 - G1

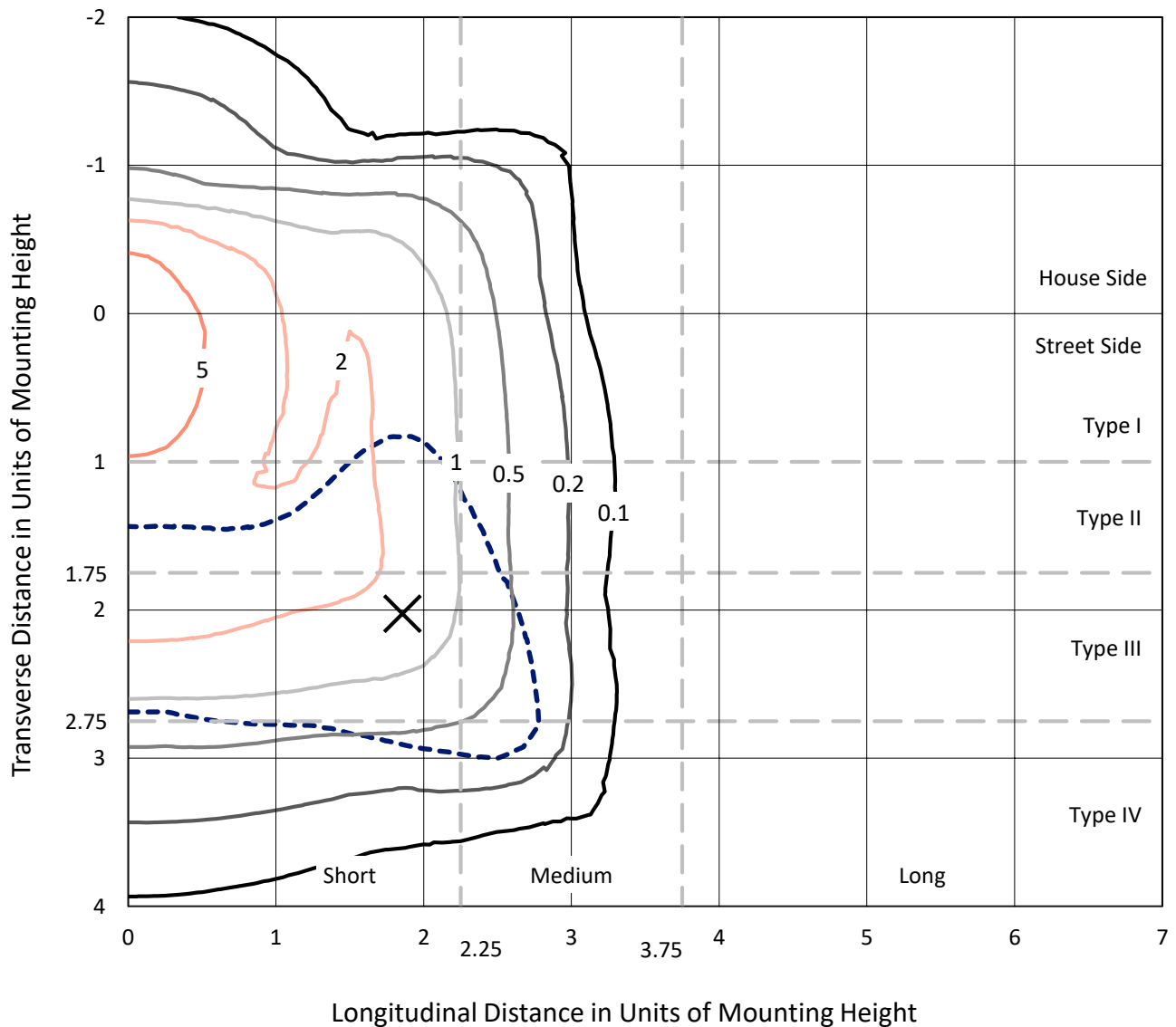
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

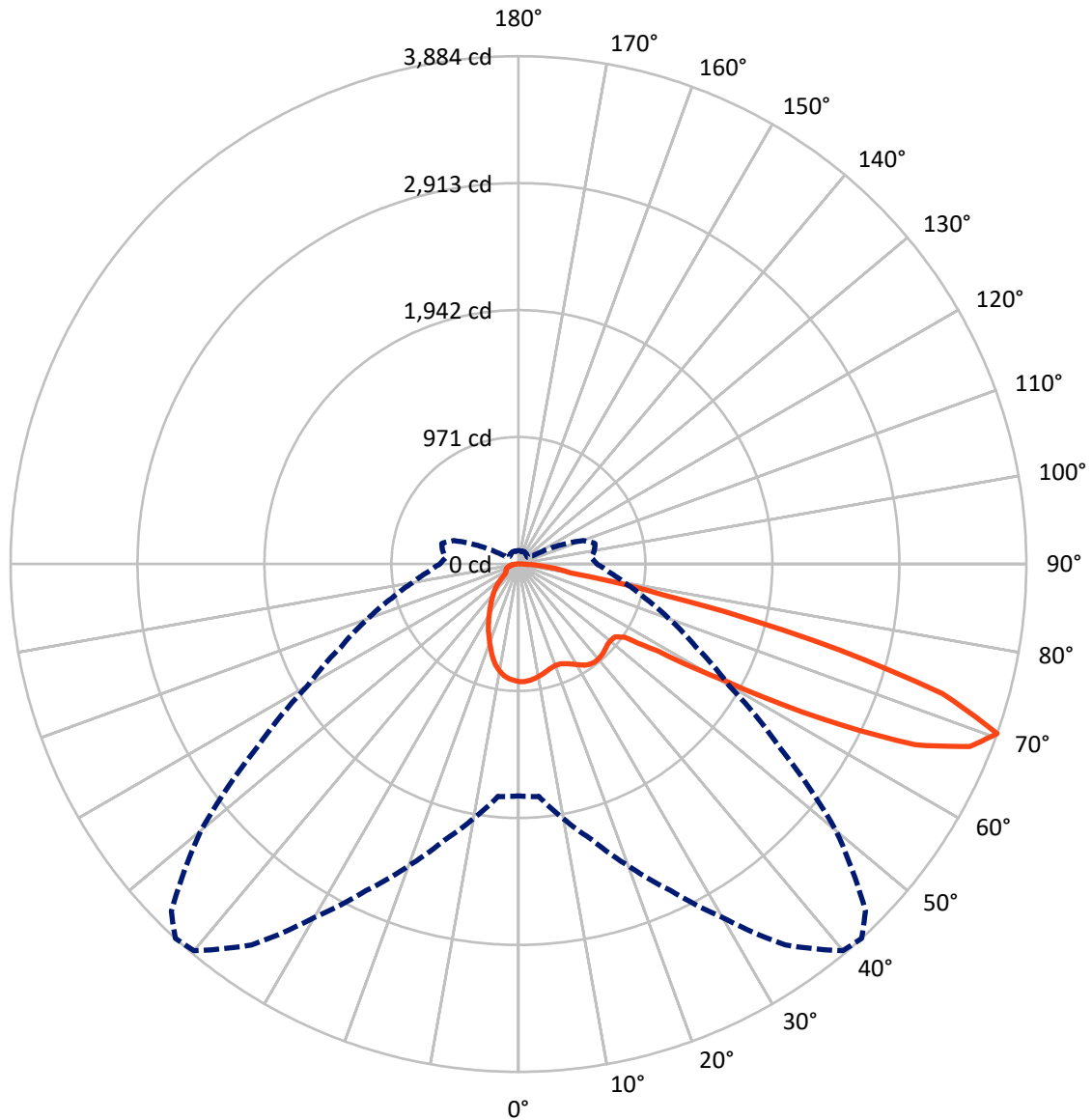
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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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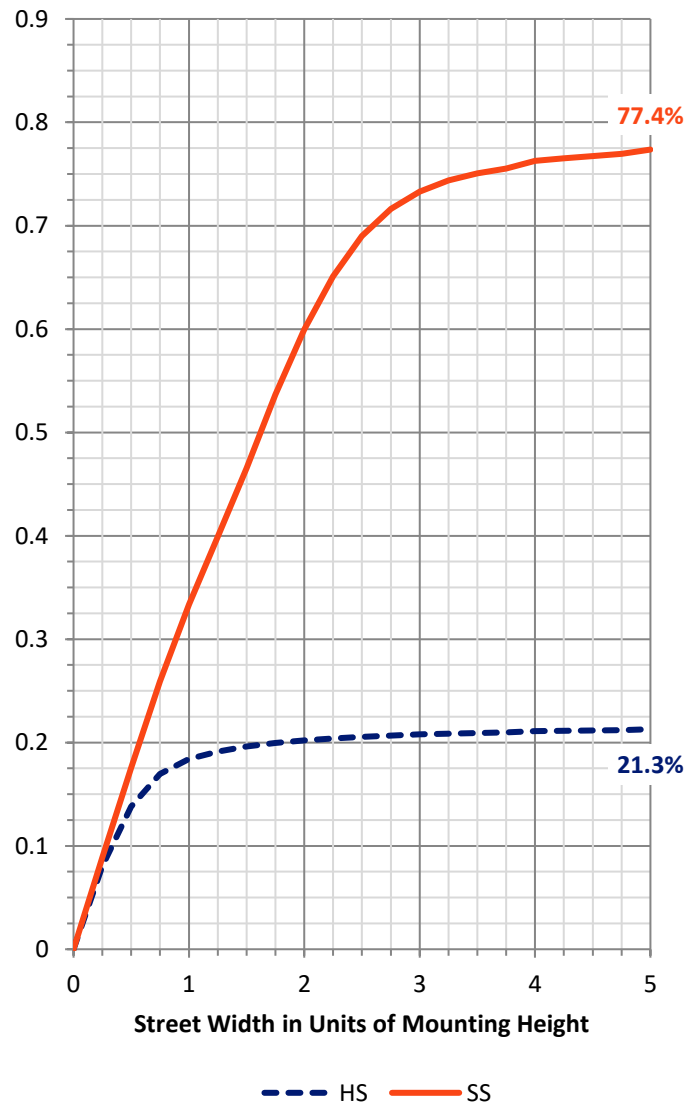
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 938.8 | 0.0 | 938.8 |
| | % Fixture | 21.6 | 0.0 | 21.6 |
| Street Side | Lumens | 3407.2 | 0.0 | 3407.2 |
| | % Fixture | 78.4 | 0.0 | 78.4 |
| Total | Lumens | 4346.1 | 0.0 | 4346.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.6 | 1.9 |
| 10°-20° | 225.3 | 5.2 |
| 20°-30° | 328.6 | 7.6 |
| 30°-40° | 419.1 | 9.6 |
| 40°-50° | 489.2 | 11.3 |
| 50°-60° | 748.1 | 17.2 |
| 60°-70° | 1356.0 | 31.2 |
| 70°-80° | 602.9 | 13.9 |
| 80°-90° | 93.3 | 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° | 4346.1 | 100.0 |
| 0°-180° | 4346.1 | 100.0 |



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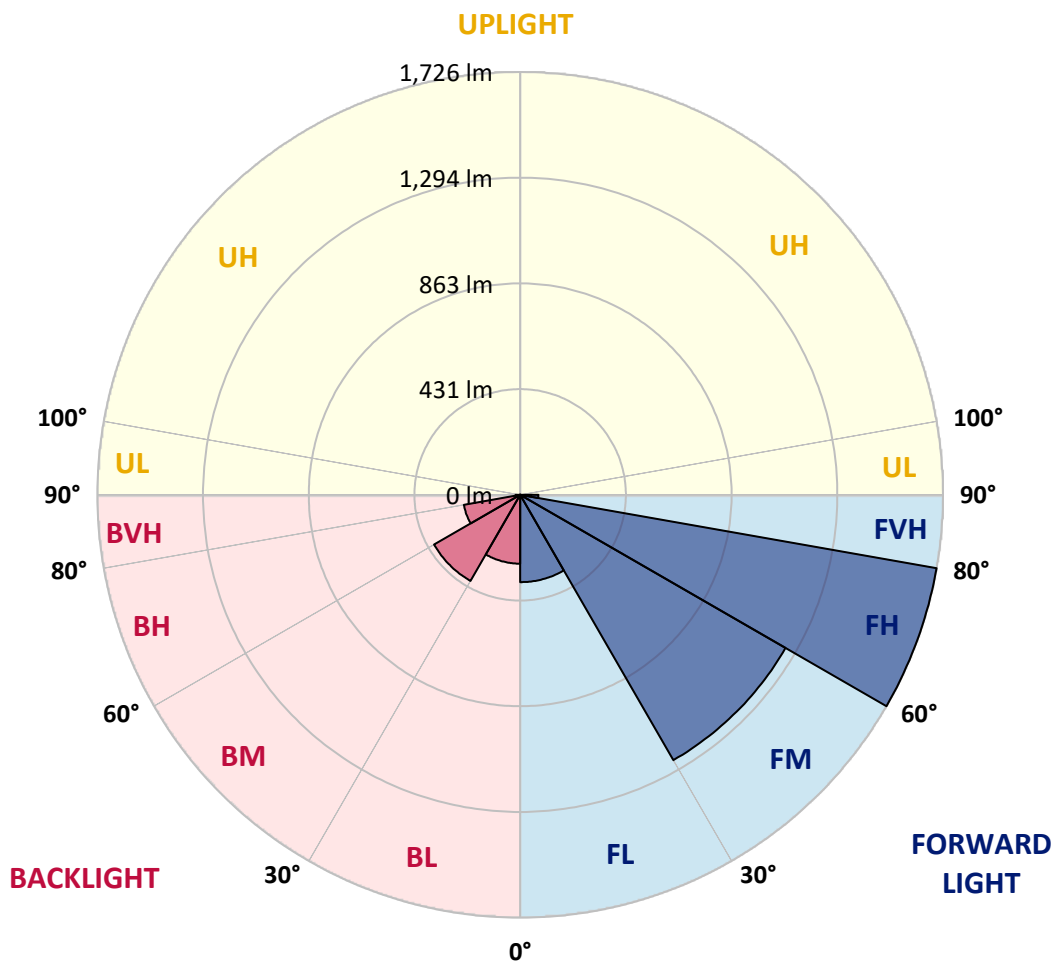
CATALOG NUMBER: OVF-F02-LED-E-U-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 356.5 | 8.2 | | | |
| FM | (30°-60°) | 1250.5 | 28.8 | | | |
| FH | (60°-80°) | 1725.7 | 39.7 | | | G1/1800 |
| FVH | (80°-90°) | 74.5 | 1.7 | | | G1/100 |
| BL | (0°-30°) | 281.0 | 6.5 | B1/500 | | |
| BM | (30°-60°) | 405.8 | 9.3 | B1/1000 | | |
| BH | (60°-80°) | 233.2 | 5.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 18.8 | 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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 42.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 |
| 2.5° | 903.0 | 902.1 | 902.7 | 903.3 | 903.3 | 903.6 | 900.9 | 901.2 | 900.0 | 900.3 | 900.6 |
| 5° | 899.7 | 898.8 | 899.4 | 899.4 | 899.4 | 899.1 | 895.4 | 895.1 | 893.6 | 893.6 | 893.0 |
| 7.5° | 893.3 | 890.0 | 891.8 | 892.1 | 891.5 | 890.0 | 887.9 | 885.8 | 884.9 | 884.9 | 882.8 |
| 10° | 883.7 | 880.1 | 881.0 | 881.6 | 881.3 | 878.3 | 877.3 | 875.2 | 872.8 | 871.9 | 869.5 |
| 12.5° | 871.3 | 868.9 | 870.1 | 869.8 | 869.8 | 867.1 | 865.6 | 862.6 | 859.6 | 858.0 | 855.0 |
| 15° | 863.5 | 860.5 | 861.7 | 861.7 | 860.5 | 857.7 | 855.6 | 850.2 | 845.1 | 843.3 | 839.3 |
| 17.5° | 868.3 | 865.3 | 866.5 | 865.6 | 863.5 | 857.7 | 852.3 | 843.6 | 835.4 | 830.6 | 825.5 |
| 20° | 887.6 | 884.6 | 885.5 | 884.9 | 881.9 | 872.5 | 862.6 | 847.5 | 832.4 | 825.2 | 817.3 |
| 22.5° | 918.4 | 916.0 | 917.5 | 916.6 | 911.7 | 899.7 | 884.9 | 863.2 | 840.6 | 829.7 | 818.5 |
| 25° | 963.9 | 963.3 | 965.7 | 963.0 | 956.1 | 938.0 | 916.6 | 887.3 | 857.7 | 844.2 | 828.5 |
| 27.5° | 1018.8 | 1013.7 | 1017.3 | 1014.9 | 1010.0 | 987.1 | 958.2 | 921.1 | 883.4 | 865.6 | 846.9 |
| 30° | 1068.3 | 1063.7 | 1070.4 | 1069.2 | 1061.9 | 1038.4 | 1001.9 | 958.5 | 916.0 | 893.3 | 871.9 |
| 32.5° | 1125.6 | 1119.8 | 1125.0 | 1125.0 | 1114.1 | 1082.4 | 1040.8 | 991.0 | 946.4 | 922.3 | 896.6 |
| 35° | 1185.6 | 1179.5 | 1184.4 | 1182.9 | 1163.6 | 1121.6 | 1069.5 | 1015.5 | 966.3 | 941.6 | 915.3 |
| 37.5° | 1241.4 | 1240.5 | 1241.7 | 1231.7 | 1204.9 | 1151.2 | 1088.8 | 1028.4 | 976.3 | 950.3 | 922.9 |
| 40° | 1297.2 | 1295.1 | 1289.9 | 1272.4 | 1233.2 | 1168.7 | 1098.7 | 1033.0 | 976.9 | 949.7 | 922.0 |
| 42.5° | 1332.2 | 1328.2 | 1319.5 | 1295.7 | 1246.5 | 1172.9 | 1095.7 | 1026.0 | 969.6 | 941.9 | 914.7 |
| 45° | 1344.2 | 1340.3 | 1329.7 | 1302.9 | 1246.8 | 1166.3 | 1083.9 | 1012.2 | 956.1 | 930.7 | 903.3 |
| 47.5° | 1334.3 | 1331.9 | 1322.2 | 1295.4 | 1237.2 | 1153.9 | 1069.2 | 998.3 | 943.1 | 918.4 | 892.7 |
| 50° | 1317.4 | 1315.9 | 1307.4 | 1282.7 | 1228.1 | 1146.4 | 1062.2 | 991.7 | 939.5 | 916.6 | 892.4 |
| 52.5° | 1359.6 | 1355.1 | 1340.0 | 1310.7 | 1247.1 | 1159.9 | 1073.1 | 1001.6 | 947.9 | 924.7 | 900.0 |
| 55° | 1878.7 | 1845.2 | 1770.4 | 1630.1 | 1433.8 | 1281.5 | 1153.3 | 1067.1 | 1009.1 | 986.5 | 963.0 |
| 57.5° | 2470.7 | 2435.7 | 2404.6 | 2297.6 | 2064.4 | 1776.7 | 1517.9 | 1366.5 | 1262.8 | 1252.8 | 1243.5 |
| 60° | 2698.7 | 2709.9 | 2707.1 | 2667.3 | 2547.9 | 2411.3 | 2194.7 | 2015.9 | 1817.7 | 1809.6 | 1821.3 |
| 62.5° | 2855.8 | 2865.2 | 2866.4 | 2854.3 | 2815.4 | 2769.9 | 2724.6 | 2667.3 | 2629.6 | 2613.3 | 2508.1 |
| 65° | 2920.7 | 2934.2 | 2964.1 | 2986.4 | 2992.8 | 3008.4 | 3049.5 | 3205.4 | 3335.4 | 3334.5 | 3211.1 |
| 67.5° | 2673.1 | 2689.3 | 2802.4 | 2913.4 | 3006.6 | 3114.6 | 3280.8 | 3534.4 | 3730.2 | 3724.1 | 3623.1 |
| 70° | 1774.0 | 1784.3 | 1976.4 | 2185.4 | 2456.5 | 2756.3 | 3119.4 | 3556.7 | 3860.1 | 3884.0 | 3753.7 |
| 72.5° | 1088.2 | 1111.7 | 1174.4 | 1259.2 | 1403.9 | 1681.7 | 2221.6 | 2968.9 | 3414.1 | 3391.8 | 3288.0 |
| 75° | 734.7 | 735.9 | 734.1 | 743.1 | 751.3 | 807.4 | 1024.8 | 1632.5 | 2312.6 | 2324.7 | 2280.1 |
| 77.5° | 502.2 | 508.8 | 512.4 | 510.0 | 518.1 | 515.7 | 528.4 | 559.5 | 886.4 | 1131.3 | 1039.6 |
| 80° | 438.8 | 441.5 | 445.5 | 439.7 | 424.6 | 416.2 | 428.0 | 416.8 | 392.7 | 405.6 | 388.5 |
| 82.5° | 277.8 | 285.9 | 286.8 | 306.7 | 336.3 | 337.5 | 352.6 | 341.4 | 310.6 | 290.4 | 265.7 |
| 85° | 199.7 | 202.7 | 208.1 | 209.3 | 199.1 | 190.3 | 195.7 | 186.4 | 168.0 | 157.1 | 139.0 |
| 87.5° | 116.4 | 119.4 | 124.9 | 121.5 | 111.3 | 98.6 | 89.0 | 76.6 | 60.6 | 56.7 | 50.1 |
| 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-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 |
| 2.5° | 900.9 | 899.4 | 898.2 | 897.6 | 898.8 | 897.6 | 896.3 | 895.7 | 894.5 | 894.8 | 893.3 |
| 5° | 892.4 | 890.3 | 888.5 | 887.0 | 888.2 | 886.1 | 884.3 | 883.1 | 881.6 | 881.3 | 879.8 |
| 7.5° | 880.7 | 877.3 | 874.9 | 872.2 | 869.2 | 867.4 | 865.3 | 863.2 | 859.9 | 859.6 | 858.9 |
| 10° | 865.3 | 862.6 | 857.7 | 853.5 | 849.3 | 844.8 | 840.3 | 836.9 | 833.0 | 831.5 | 829.4 |
| 12.5° | 849.9 | 844.5 | 838.7 | 832.1 | 827.0 | 819.7 | 813.7 | 807.4 | 801.6 | 798.0 | 794.1 |
| 15° | 831.8 | 826.1 | 817.9 | 811.6 | 804.4 | 796.2 | 788.4 | 779.0 | 769.7 | 763.9 | 758.5 |
| 17.5° | 816.1 | 808.9 | 802.2 | 793.2 | 786.0 | 776.6 | 764.9 | 754.9 | 743.7 | 734.4 | 724.4 |
| 20° | 804.1 | 795.9 | 788.1 | 779.9 | 771.2 | 760.6 | 747.7 | 733.5 | 719.3 | 706.0 | 691.3 |
| 22.5° | 799.2 | 786.3 | 777.5 | 770.0 | 760.9 | 748.9 | 734.4 | 716.9 | 699.4 | 682.5 | 665.3 |
| 25° | 803.5 | 784.2 | 770.6 | 762.1 | 754.0 | 741.6 | 725.3 | 705.4 | 684.9 | 663.5 | 643.0 |
| 27.5° | 814.9 | 790.5 | 771.2 | 757.9 | 748.6 | 736.5 | 718.4 | 697.6 | 674.4 | 650.2 | 628.2 |
| 30° | 831.5 | 801.0 | 776.9 | 757.9 | 744.0 | 730.2 | 710.6 | 687.0 | 662.6 | 637.3 | 612.5 |
| 32.5° | 849.6 | 812.8 | 783.9 | 758.8 | 737.4 | 719.9 | 699.4 | 676.5 | 650.5 | 623.7 | 597.2 |
| 35° | 863.2 | 821.2 | 786.9 | 755.5 | 728.1 | 706.0 | 684.0 | 661.7 | 636.4 | 609.2 | 582.7 |
| 37.5° | 868.9 | 824.6 | 786.3 | 748.6 | 715.1 | 691.0 | 668.0 | 645.7 | 621.3 | 595.7 | 571.2 |
| 40° | 869.2 | 824.6 | 782.6 | 739.2 | 701.5 | 675.3 | 651.1 | 630.3 | 607.4 | 585.4 | 563.7 |
| 42.5° | 863.5 | 820.3 | 776.0 | 730.5 | 691.6 | 662.0 | 637.3 | 615.9 | 597.5 | 577.9 | 559.5 |
| 45° | 853.2 | 811.9 | 770.0 | 725.6 | 687.9 | 658.7 | 632.1 | 611.9 | 595.4 | 577.9 | 561.9 |
| 47.5° | 845.4 | 807.1 | 770.3 | 732.6 | 696.7 | 666.5 | 637.9 | 616.5 | 602.3 | 588.4 | 577.0 |
| 50° | 846.9 | 808.9 | 773.9 | 738.0 | 702.7 | 672.3 | 644.5 | 626.1 | 617.7 | 613.1 | 610.4 |
| 52.5° | 854.7 | 816.1 | 789.6 | 765.8 | 754.3 | 735.6 | 720.2 | 706.3 | 708.5 | 697.6 | 683.7 |
| 55° | 935.6 | 922.6 | 953.0 | 975.1 | 985.9 | 1004.9 | 1032.4 | 1006.1 | 1002.5 | 969.0 | 869.5 |
| 57.5° | 1256.2 | 1286.9 | 1333.7 | 1366.8 | 1370.2 | 1364.4 | 1341.8 | 1320.1 | 1284.8 | 1234.4 | 1095.1 |
| 60° | 1793.9 | 1786.7 | 1743.2 | 1685.0 | 1639.8 | 1580.4 | 1520.7 | 1470.3 | 1413.6 | 1336.4 | 1188.0 |
| 62.5° | 2359.4 | 2185.1 | 2030.4 | 1898.6 | 1786.7 | 1687.4 | 1597.3 | 1521.6 | 1443.7 | 1332.8 | 1174.7 |
| 65° | 2816.0 | 2480.6 | 2208.0 | 1996.0 | 1829.5 | 1689.2 | 1572.8 | 1468.5 | 1364.4 | 1235.9 | 1082.7 |
| 67.5° | 3142.3 | 2610.3 | 2198.9 | 1900.7 | 1667.2 | 1474.2 | 1304.7 | 1185.9 | 1079.1 | 978.1 | 909.0 |
| 70° | 3168.3 | 2430.9 | 1860.3 | 1495.3 | 1226.0 | 999.2 | 823.4 | 693.7 | 600.8 | 558.9 | 588.7 |
| 72.5° | 2707.4 | 1798.4 | 1236.9 | 915.3 | 726.5 | 564.6 | 453.9 | 362.8 | 288.0 | 251.2 | 256.4 |
| 75° | 1594.5 | 863.5 | 557.1 | 415.0 | 339.0 | 270.8 | 234.3 | 197.8 | 174.6 | 139.9 | 111.9 |
| 77.5° | 607.1 | 375.5 | 281.1 | 233.4 | 166.5 | 119.7 | 94.4 | 81.4 | 74.8 | 73.9 | 70.0 |
| 80° | 349.9 | 275.4 | 192.7 | 126.1 | 92.3 | 78.1 | 67.0 | 57.3 | 53.4 | 52.5 | 54.0 |
| 82.5° | 221.1 | 171.6 | 105.9 | 81.1 | 67.3 | 57.9 | 48.3 | 41.9 | 38.6 | 37.4 | 39.5 |
| 85° | 114.3 | 86.0 | 64.5 | 55.5 | 51.6 | 47.0 | 38.6 | 32.3 | 32.0 | 33.5 | 38.6 |
| 87.5° | 42.2 | 36.8 | 29.0 | 25.0 | 26.8 | 25.0 | 18.1 | 15.7 | 14.2 | 18.7 | 27.1 |
| 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-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 |
| 2.5° | 893.3 | 892.7 | 893.0 | 892.4 | 892.4 | 893.3 | 892.1 | 891.2 | 892.7 | 892.7 | 893.6 |
| 5° | 879.5 | 880.1 | 880.1 | 879.8 | 880.4 | 881.9 | 881.6 | 881.6 | 884.0 | 884.9 | 886.1 |
| 7.5° | 857.4 | 858.3 | 858.6 | 859.6 | 859.9 | 862.0 | 863.5 | 865.3 | 868.9 | 869.8 | 872.5 |
| 10° | 827.6 | 827.0 | 829.1 | 828.8 | 831.5 | 833.3 | 834.5 | 838.4 | 843.9 | 846.9 | 849.6 |
| 12.5° | 792.3 | 792.3 | 793.5 | 793.8 | 796.2 | 798.6 | 800.1 | 805.0 | 809.5 | 813.4 | 819.4 |
| 15° | 754.9 | 753.7 | 751.0 | 750.7 | 751.6 | 754.0 | 757.3 | 760.9 | 767.9 | 773.6 | 778.7 |
| 17.5° | 715.7 | 712.1 | 708.8 | 704.5 | 704.2 | 703.9 | 705.7 | 708.5 | 719.3 | 725.0 | 732.3 |
| 20° | 681.0 | 673.2 | 665.3 | 656.6 | 651.5 | 649.0 | 649.9 | 653.6 | 663.8 | 671.4 | 678.9 |
| 22.5° | 649.9 | 638.2 | 625.8 | 611.9 | 603.5 | 598.4 | 599.0 | 600.5 | 608.0 | 612.5 | 616.5 |
| 25° | 623.4 | 607.1 | 589.9 | 572.1 | 560.4 | 552.5 | 552.2 | 552.2 | 548.9 | 549.5 | 547.4 |
| 27.5° | 605.3 | 582.7 | 560.7 | 539.9 | 524.5 | 516.6 | 506.1 | 498.5 | 491.9 | 482.9 | 478.9 |
| 30° | 587.8 | 564.6 | 539.6 | 516.6 | 498.2 | 482.9 | 463.3 | 447.0 | 434.0 | 421.6 | 411.1 |
| 32.5° | 572.1 | 548.0 | 524.2 | 499.1 | 473.8 | 447.3 | 421.6 | 402.9 | 384.5 | 365.5 | 352.9 |
| 35° | 558.3 | 535.6 | 511.8 | 483.5 | 447.9 | 413.2 | 384.2 | 358.9 | 337.2 | 314.3 | 295.9 |
| 37.5° | 550.4 | 529.9 | 505.2 | 466.6 | 421.9 | 382.4 | 350.2 | 321.8 | 292.9 | 265.4 | 242.8 |
| 40° | 546.5 | 528.4 | 498.2 | 449.4 | 398.7 | 356.5 | 320.6 | 286.5 | 252.4 | 220.2 | 196.6 |
| 42.5° | 545.9 | 528.4 | 488.0 | 431.9 | 378.8 | 333.6 | 293.5 | 252.4 | 211.1 | 179.8 | 158.9 |
| 45° | 551.3 | 527.8 | 477.1 | 416.2 | 361.0 | 313.1 | 264.8 | 216.5 | 174.0 | 146.6 | 135.1 |
| 47.5° | 567.0 | 529.9 | 468.7 | 402.9 | 344.1 | 290.4 | 232.2 | 176.7 | 140.5 | 128.2 | 127.9 |
| 50° | 592.3 | 539.6 | 466.9 | 393.3 | 327.5 | 262.1 | 193.9 | 141.4 | 124.0 | 123.4 | 126.7 |
| 52.5° | 632.4 | 557.7 | 471.4 | 386.6 | 307.6 | 225.3 | 153.5 | 122.1 | 118.8 | 122.1 | 126.4 |
| 55° | 720.8 | 589.9 | 477.4 | 374.9 | 275.4 | 178.5 | 126.4 | 115.8 | 117.3 | 121.2 | 125.2 |
| 57.5° | 881.6 | 656.9 | 483.8 | 348.3 | 223.2 | 137.2 | 113.7 | 113.4 | 116.1 | 119.4 | 123.1 |
| 60° | 983.5 | 739.5 | 499.1 | 309.1 | 168.6 | 113.4 | 108.9 | 111.9 | 115.2 | 117.6 | 120.6 |
| 62.5° | 986.8 | 761.2 | 507.3 | 267.2 | 125.5 | 103.7 | 104.7 | 110.4 | 114.3 | 115.2 | 116.7 |
| 65° | 923.2 | 720.2 | 470.5 | 217.5 | 104.1 | 98.3 | 101.6 | 106.8 | 110.7 | 111.3 | 112.5 |
| 67.5° | 806.5 | 635.2 | 398.7 | 164.1 | 94.7 | 94.1 | 97.7 | 101.6 | 104.4 | 106.8 | 108.6 |
| 70° | 607.4 | 524.2 | 320.6 | 127.3 | 89.0 | 88.4 | 92.0 | 95.3 | 97.7 | 100.7 | 103.7 |
| 72.5° | 307.9 | 362.8 | 243.1 | 104.1 | 81.1 | 81.7 | 85.7 | 88.7 | 90.5 | 93.2 | 96.2 |
| 75° | 105.0 | 158.3 | 153.8 | 84.1 | 72.4 | 74.8 | 76.6 | 79.9 | 82.6 | 84.4 | 86.0 |
| 77.5° | 65.7 | 68.8 | 79.3 | 67.9 | 63.9 | 64.5 | 67.6 | 70.6 | 73.6 | 74.8 | 75.4 |
| 80° | 54.9 | 55.2 | 55.5 | 54.3 | 54.6 | 56.4 | 58.2 | 61.5 | 64.5 | 65.1 | 65.4 |
| 82.5° | 43.4 | 46.4 | 46.1 | 45.8 | 47.4 | 49.2 | 50.4 | 51.6 | 52.8 | 53.4 | 54.3 |
| 85° | 38.3 | 37.7 | 38.0 | 38.9 | 37.7 | 36.5 | 36.2 | 36.2 | 38.0 | 40.1 | 41.0 |
| 87.5° | 35.0 | 29.9 | 22.3 | 21.1 | 21.1 | 20.5 | 19.3 | 19.3 | 21.1 | 22.9 | 23.8 |
| 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: P161921

CATALOG NUMBER: OVF-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 898.8 | 898.8 | 898.8 | 898.8 | 898.8 |
| 2.5° | 893.3 | 893.6 | 893.3 | 893.3 | 894.8 |
| 5° | 886.7 | 887.9 | 887.3 | 888.2 | 889.1 |
| 7.5° | 873.1 | 876.1 | 876.7 | 879.2 | 878.3 |
| 10° | 853.5 | 855.6 | 858.6 | 861.1 | 860.2 |
| 12.5° | 822.5 | 827.6 | 832.1 | 834.8 | 834.2 |
| 15° | 782.9 | 790.2 | 796.2 | 798.3 | 795.9 |
| 17.5° | 740.7 | 745.2 | 752.5 | 754.0 | 756.4 |
| 20° | 687.3 | 687.0 | 693.4 | 693.4 | 692.2 |
| 22.5° | 617.7 | 622.2 | 622.2 | 618.0 | 615.9 |
| 25° | 546.5 | 548.0 | 543.5 | 544.4 | 538.7 |
| 27.5° | 475.0 | 471.1 | 467.5 | 469.0 | 464.8 |
| 30° | 406.9 | 398.4 | 394.8 | 395.4 | 390.9 |
| 32.5° | 341.4 | 331.5 | 327.8 | 323.0 | 319.1 |
| 35° | 282.0 | 266.3 | 257.0 | 254.5 | 257.3 |
| 37.5° | 223.8 | 212.6 | 201.5 | 193.3 | 194.2 |
| 40° | 177.0 | 165.6 | 158.3 | 155.0 | 154.4 |
| 42.5° | 146.3 | 139.6 | 138.1 | 138.4 | 138.4 |
| 45° | 132.7 | 133.0 | 134.2 | 135.4 | 135.7 |
| 47.5° | 130.0 | 131.8 | 133.9 | 135.4 | 135.7 |
| 50° | 129.7 | 131.5 | 133.0 | 134.8 | 135.4 |
| 52.5° | 129.4 | 130.6 | 131.5 | 132.4 | 133.3 |
| 55° | 128.2 | 128.8 | 128.5 | 129.1 | 130.0 |
| 57.5° | 125.2 | 125.5 | 124.9 | 125.2 | 127.0 |
| 60° | 122.4 | 122.8 | 121.5 | 123.1 | 123.4 |
| 62.5° | 119.1 | 118.8 | 118.2 | 119.1 | 119.1 |
| 65° | 114.3 | 112.5 | 113.1 | 114.0 | 114.3 |
| 67.5° | 108.6 | 106.8 | 106.8 | 107.4 | 108.3 |
| 70° | 101.3 | 100.4 | 100.4 | 101.6 | 102.8 |
| 72.5° | 93.2 | 93.8 | 95.6 | 97.4 | 99.2 |
| 75° | 86.6 | 88.1 | 89.9 | 94.4 | 97.1 |
| 77.5° | 78.1 | 78.4 | 79.9 | 84.4 | 89.3 |
| 80° | 66.4 | 66.0 | 66.4 | 67.0 | 67.9 |
| 82.5° | 52.5 | 51.9 | 50.1 | 50.7 | 49.5 |
| 85° | 38.6 | 37.7 | 35.6 | 34.1 | 33.8 |
| 87.5° | 22.3 | 22.3 | 21.4 | 20.2 | 19.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)