

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: P163652

Luminaire Tested: **OVF-F01-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P163652
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-F01-LED-E-U-SL3-HSS
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1388.3 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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

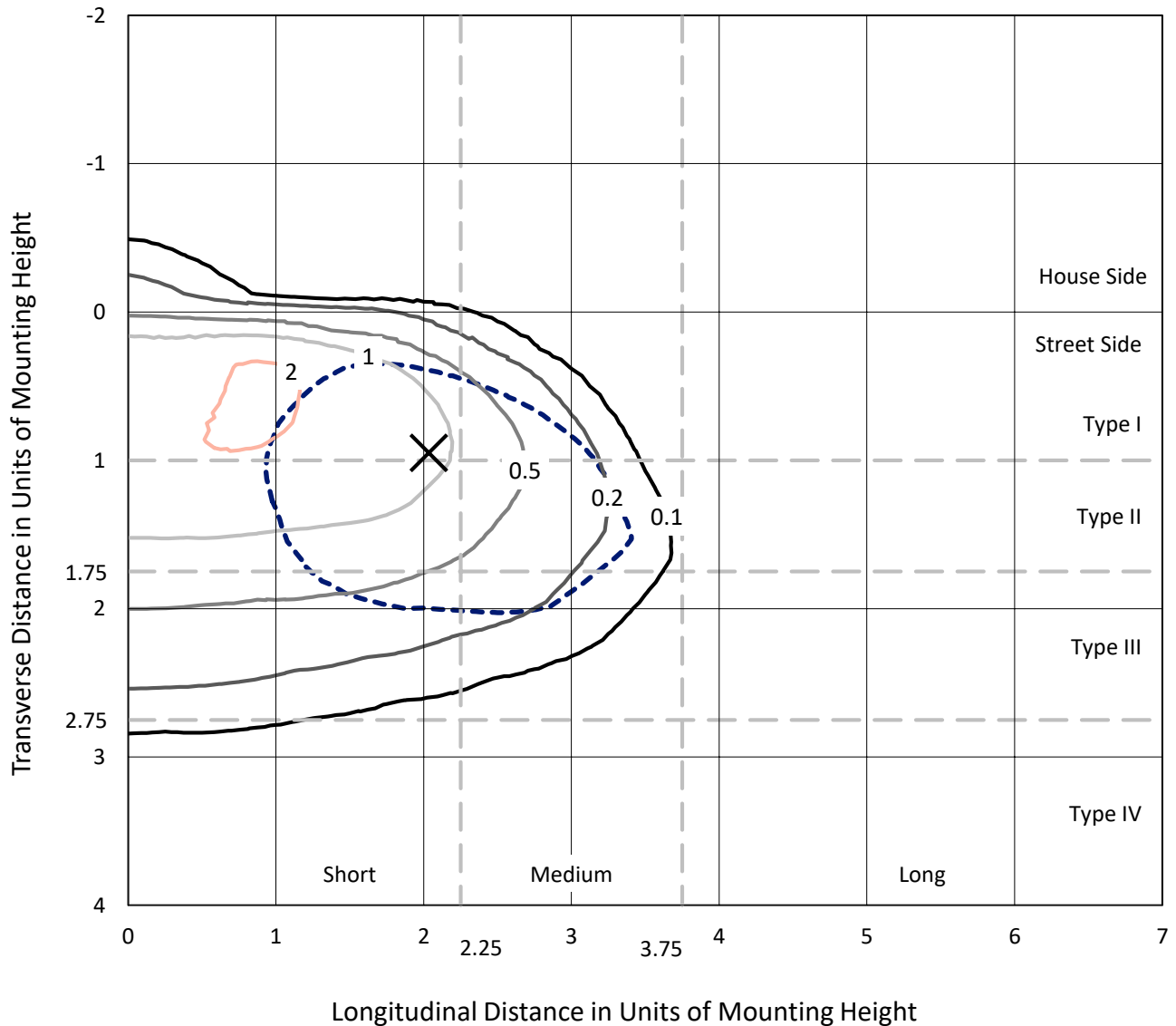


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

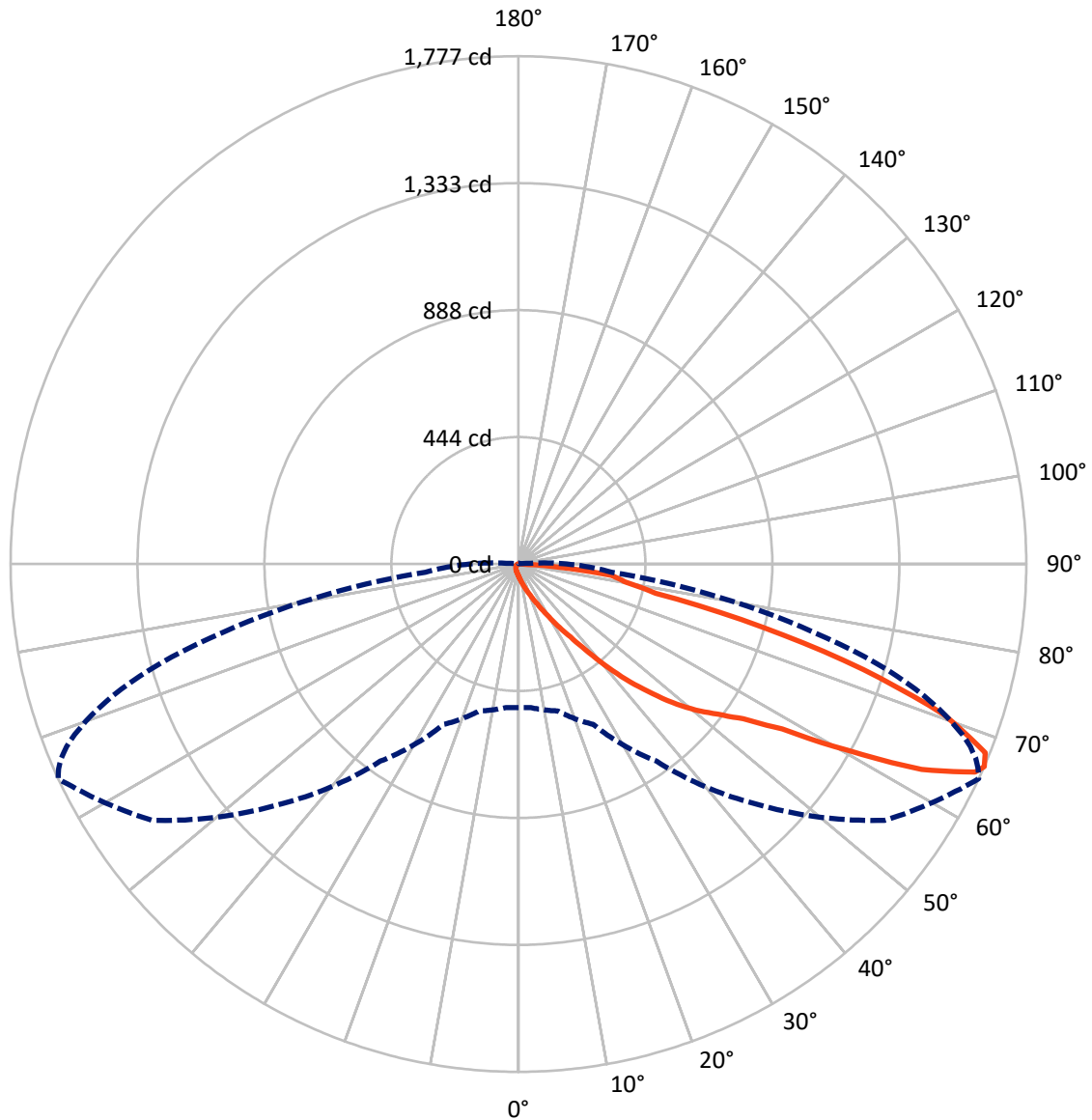


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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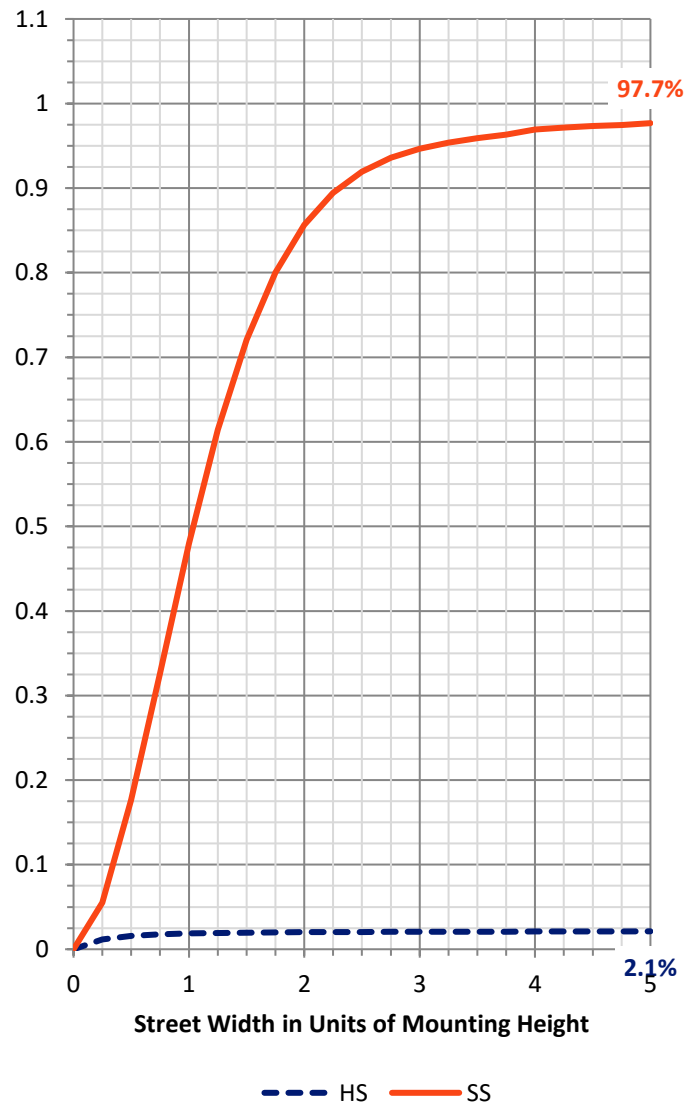
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 30.1 | 0.0 | 30.1 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 1358.3 | 0.0 | 1358.3 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 1388.3 | 0.0 | 1388.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.7 | 0.3 |
| 10°-20° | 19.9 | 1.4 |
| 20°-30° | 42.9 | 3.1 |
| 30°-40° | 91.6 | 6.6 |
| 40°-50° | 202.6 | 14.6 |
| 50°-60° | 343.4 | 24.7 |
| 60°-70° | 458.2 | 33.0 |
| 70°-80° | 201.8 | 14.5 |
| 80°-90° | 23.2 | 1.7 |
| 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° | 1388.3 | 100.0 |
| 0°-180° | 1388.3 | 100.0 |

Coefficient of Utilization



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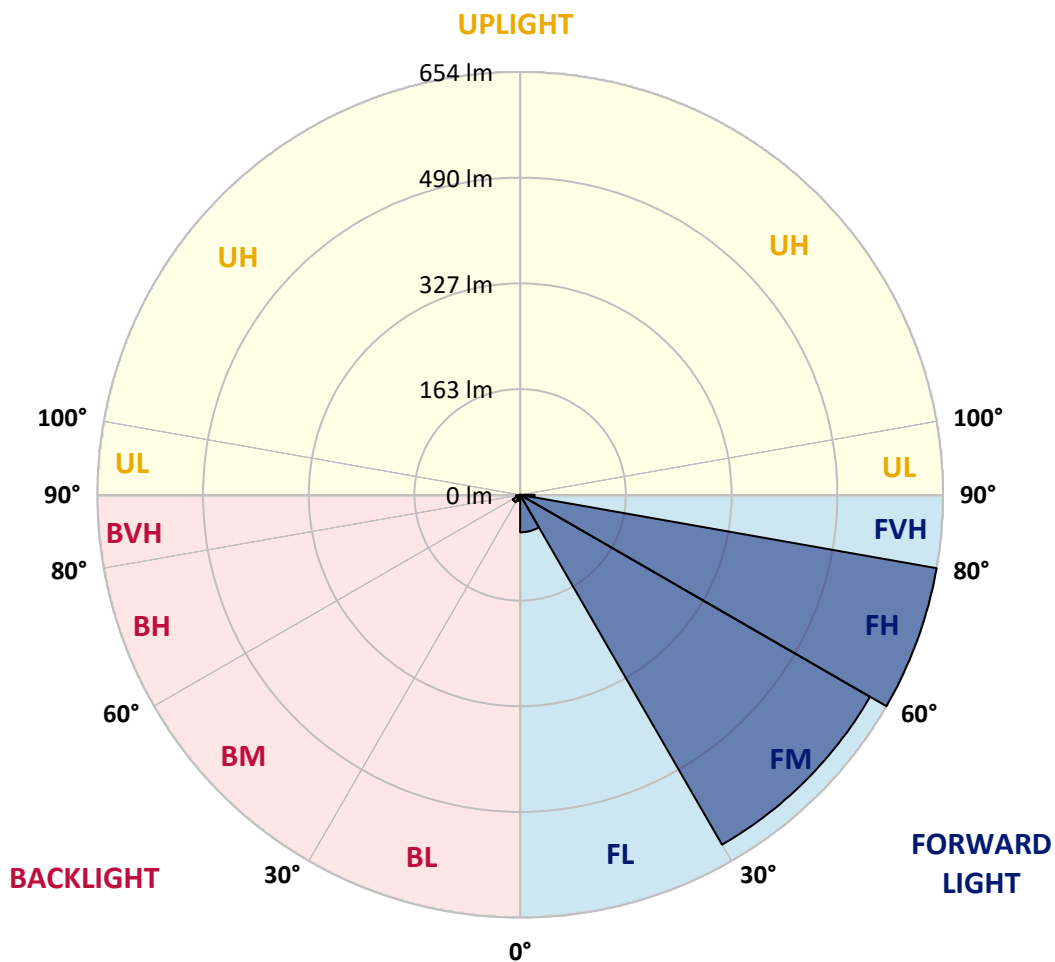
CATALOG NUMBER: OVF-F01-LED-E-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 58.0 | 4.2 | | | |
| FM | (30°-60°) | 624.4 | 45.0 | | | |
| FH | (60°-80°) | 653.6 | 47.1 | | | G0/660 |
| FVH | (80°-90°) | 22.3 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 9.5 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 13.2 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 6.4 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.9 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 2.5° | 52.9 | 52.6 | 51.5 | 51.5 | 49.9 | 48.8 | 47.5 | 46.2 | 46.2 | 45.9 | 45.6 |
| 5° | 69.9 | 68.3 | 68.1 | 65.1 | 62.7 | 59.3 | 56.1 | 51.8 | 51.2 | 50.7 | 50.4 |
| 7.5° | 88.9 | 88.6 | 86.2 | 82.8 | 77.9 | 71.5 | 65.1 | 58.2 | 57.1 | 56.6 | 55.5 |
| 10° | 113.4 | 112.1 | 108.9 | 103.0 | 95.8 | 87.3 | 76.9 | 65.9 | 64.6 | 63.5 | 63.0 |
| 12.5° | 136.9 | 134.5 | 132.7 | 125.2 | 116.1 | 103.6 | 91.0 | 75.3 | 74.2 | 72.9 | 70.7 |
| 15° | 158.8 | 156.7 | 153.5 | 147.1 | 136.9 | 121.2 | 106.5 | 87.3 | 84.6 | 82.8 | 81.1 |
| 17.5° | 175.9 | 174.6 | 170.8 | 163.6 | 152.7 | 138.8 | 121.2 | 99.6 | 97.4 | 95.0 | 92.1 |
| 20° | 192.2 | 190.3 | 184.4 | 174.6 | 162.8 | 152.1 | 138.5 | 115.6 | 112.6 | 109.7 | 106.5 |
| 22.5° | 207.7 | 205.8 | 196.2 | 179.9 | 167.4 | 162.8 | 158.0 | 133.7 | 129.2 | 126.8 | 123.6 |
| 25° | 229.3 | 225.3 | 210.3 | 184.4 | 167.6 | 171.1 | 179.4 | 157.2 | 152.9 | 149.5 | 144.4 |
| 27.5° | 258.4 | 253.0 | 229.5 | 191.1 | 168.7 | 180.2 | 203.9 | 185.8 | 181.2 | 177.2 | 171.6 |
| 30° | 291.2 | 287.7 | 259.7 | 207.1 | 176.4 | 193.5 | 231.4 | 222.1 | 216.7 | 211.9 | 205.3 |
| 32.5° | 324.3 | 319.5 | 291.7 | 237.6 | 197.3 | 219.4 | 265.9 | 264.3 | 257.3 | 252.8 | 245.6 |
| 35° | 353.4 | 351.0 | 330.4 | 287.5 | 244.8 | 264.8 | 311.8 | 313.6 | 307.5 | 302.7 | 294.7 |
| 37.5° | 373.2 | 373.2 | 369.1 | 341.1 | 320.3 | 335.2 | 379.3 | 379.6 | 373.4 | 362.5 | 358.5 |
| 40° | 383.3 | 386.2 | 400.6 | 406.0 | 404.9 | 424.1 | 467.9 | 463.1 | 458.0 | 452.4 | 439.1 |
| 42.5° | 404.1 | 406.8 | 437.5 | 474.3 | 498.3 | 523.7 | 553.8 | 552.2 | 546.1 | 536.0 | 523.7 |
| 45° | 439.3 | 442.8 | 479.4 | 537.8 | 587.2 | 623.3 | 642.5 | 635.0 | 628.9 | 619.2 | 612.8 |
| 47.5° | 484.2 | 490.9 | 532.2 | 604.6 | 664.1 | 723.6 | 743.6 | 723.9 | 718.5 | 711.1 | 700.7 |
| 50° | 532.0 | 538.4 | 582.4 | 665.2 | 732.4 | 803.4 | 836.8 | 803.4 | 795.7 | 793.3 | 781.5 |
| 52.5° | 573.3 | 578.7 | 621.1 | 711.9 | 784.7 | 868.0 | 916.6 | 872.5 | 866.9 | 858.9 | 850.4 |
| 55° | 597.9 | 602.2 | 641.9 | 734.3 | 820.2 | 926.2 | 993.7 | 955.0 | 946.8 | 943.6 | 931.3 |
| 57.5° | 606.2 | 610.4 | 646.2 | 737.2 | 839.5 | 979.3 | 1087.4 | 1088.8 | 1078.9 | 1067.4 | 1063.7 |
| 60° | 606.2 | 611.0 | 641.1 | 730.0 | 858.1 | 1035.9 | 1212.3 | 1323.6 | 1302.3 | 1300.2 | 1286.5 |
| 62.5° | 581.1 | 585.6 | 616.0 | 707.9 | 883.2 | 1112.2 | 1386.4 | 1582.8 | 1576.7 | 1562.8 | 1540.4 |
| 65° | 526.6 | 529.3 | 559.2 | 651.3 | 873.6 | 1182.4 | 1537.2 | 1755.2 | 1745.4 | 1718.1 | 1689.3 |
| 66° | 502.1 | 504.2 | 532.2 | 619.0 | 842.1 | 1192.1 | 1563.9 | 1776.9 | 1760.6 | 1737.6 | 1705.1 |
| 67.5° | 466.6 | 470.3 | 490.1 | 558.9 | 766.6 | 1158.7 | 1547.1 | 1761.7 | 1747.5 | 1719.8 | 1687.2 |
| 70° | 311.5 | 308.8 | 378.5 | 428.9 | 584.0 | 944.1 | 1388.0 | 1581.8 | 1582.0 | 1568.9 | 1555.9 |
| 72.5° | 147.9 | 149.5 | 169.8 | 264.0 | 382.2 | 630.7 | 1104.8 | 1262.5 | 1280.7 | 1257.2 | 1240.9 |
| 75° | 106.2 | 108.6 | 120.9 | 161.5 | 227.9 | 378.5 | 716.1 | 883.0 | 883.5 | 841.9 | 804.8 |
| 77.5° | 31.0 | 32.3 | 45.4 | 99.6 | 170.8 | 255.4 | 411.3 | 490.9 | 479.4 | 449.5 | 421.5 |
| 80° | 12.8 | 12.8 | 13.3 | 31.8 | 68.6 | 173.5 | 287.7 | 378.0 | 376.6 | 365.1 | 348.6 |
| 82.5° | 4.8 | 5.1 | 6.4 | 13.1 | 16.3 | 42.7 | 191.9 | 328.0 | 327.2 | 311.0 | 299.2 |
| 85° | 0.5 | 0.5 | 1.6 | 5.6 | 6.1 | 8.0 | 38.4 | 144.7 | 143.9 | 144.7 | 126.8 |
| 87.5° | 0.0 | 0.0 | 0.3 | 0.5 | 0.8 | 1.1 | 1.6 | 5.6 | 6.1 | 5.9 | 5.3 |
| 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-F01-LED-E-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 2.5° | 45.6 | 45.1 | 45.1 | 44.8 | 44.8 | 44.8 | 44.6 | 44.3 | 44.3 | 44.0 | 43.8 |
| 5° | 49.9 | 49.4 | 49.1 | 48.6 | 48.3 | 48.0 | 47.5 | 47.2 | 46.7 | 46.4 | 46.2 |
| 7.5° | 55.0 | 53.9 | 53.6 | 52.9 | 52.0 | 51.5 | 51.0 | 50.2 | 49.6 | 48.6 | 48.3 |
| 10° | 61.4 | 60.0 | 59.0 | 57.9 | 57.1 | 55.8 | 55.0 | 53.9 | 52.9 | 52.0 | 51.2 |
| 12.5° | 69.7 | 67.8 | 66.2 | 65.1 | 63.3 | 61.7 | 60.0 | 59.3 | 57.1 | 56.1 | 54.7 |
| 15° | 78.7 | 76.6 | 74.7 | 72.6 | 71.3 | 68.6 | 66.5 | 64.1 | 63.0 | 61.1 | 59.0 |
| 17.5° | 90.5 | 87.0 | 84.1 | 81.9 | 79.3 | 76.6 | 74.2 | 71.8 | 68.6 | 66.5 | 63.8 |
| 20° | 103.0 | 100.1 | 96.1 | 92.4 | 89.2 | 86.0 | 82.5 | 79.3 | 76.3 | 72.9 | 69.7 |
| 22.5° | 119.0 | 114.8 | 110.0 | 106.2 | 102.0 | 98.5 | 93.7 | 89.4 | 84.6 | 80.1 | 76.3 |
| 25° | 139.3 | 133.7 | 129.2 | 123.8 | 118.8 | 113.4 | 107.6 | 102.2 | 96.1 | 91.8 | 85.4 |
| 27.5° | 164.4 | 159.1 | 152.9 | 146.0 | 140.9 | 132.9 | 125.2 | 118.5 | 111.3 | 104.6 | 97.4 |
| 30° | 196.5 | 188.7 | 182.3 | 175.6 | 165.5 | 157.7 | 148.7 | 139.6 | 129.7 | 123.1 | 112.1 |
| 32.5° | 234.9 | 226.6 | 217.0 | 207.4 | 198.1 | 187.1 | 175.9 | 164.7 | 153.7 | 141.5 | 130.3 |
| 35° | 281.9 | 272.0 | 261.0 | 250.6 | 236.2 | 224.5 | 210.3 | 194.9 | 182.6 | 168.4 | 154.3 |
| 37.5° | 344.1 | 327.8 | 318.2 | 307.2 | 287.7 | 271.7 | 256.0 | 240.5 | 218.9 | 203.9 | 183.9 |
| 40° | 422.0 | 412.4 | 396.6 | 379.0 | 361.4 | 340.3 | 319.0 | 298.4 | 273.3 | 252.5 | 229.3 |
| 42.5° | 513.5 | 499.4 | 483.4 | 458.0 | 440.2 | 415.3 | 391.0 | 363.8 | 333.1 | 306.4 | 279.2 |
| 45° | 599.5 | 582.7 | 570.4 | 545.0 | 526.4 | 497.0 | 467.6 | 438.8 | 403.3 | 368.9 | 337.4 |
| 47.5° | 692.4 | 678.5 | 658.2 | 637.7 | 618.7 | 585.6 | 553.8 | 518.9 | 481.5 | 440.7 | 399.8 |
| 50° | 774.1 | 763.1 | 749.2 | 724.4 | 703.3 | 675.6 | 638.2 | 600.0 | 552.8 | 512.2 | 465.8 |
| 52.5° | 843.5 | 834.9 | 815.4 | 797.8 | 778.9 | 752.7 | 719.3 | 682.8 | 631.8 | 587.2 | 534.4 |
| 55° | 925.4 | 919.3 | 902.2 | 891.2 | 874.4 | 849.3 | 818.1 | 784.2 | 730.3 | 681.7 | 621.9 |
| 57.5° | 1059.7 | 1054.9 | 1039.9 | 1035.4 | 1018.8 | 996.9 | 958.5 | 922.2 | 859.2 | 798.9 | 730.6 |
| 60° | 1282.0 | 1272.4 | 1250.5 | 1239.3 | 1204.3 | 1175.0 | 1125.1 | 1075.1 | 999.1 | 922.2 | 840.0 |
| 62.5° | 1520.1 | 1493.1 | 1451.5 | 1415.7 | 1366.1 | 1315.1 | 1248.4 | 1172.0 | 1082.9 | 991.6 | 897.1 |
| 65° | 1648.5 | 1602.6 | 1550.0 | 1493.1 | 1428.8 | 1353.8 | 1269.7 | 1178.2 | 1082.3 | 986.0 | 886.2 |
| 66° | 1663.2 | 1611.4 | 1555.6 | 1492.3 | 1420.8 | 1341.0 | 1255.6 | 1159.5 | 1059.9 | 966.0 | 866.1 |
| 67.5° | 1644.7 | 1590.6 | 1531.6 | 1461.4 | 1384.0 | 1301.2 | 1211.5 | 1111.7 | 1015.9 | 920.6 | 823.4 |
| 70° | 1515.8 | 1461.9 | 1409.3 | 1335.4 | 1252.9 | 1169.6 | 1084.8 | 973.2 | 882.4 | 794.9 | 708.4 |
| 72.5° | 1210.5 | 1173.9 | 1121.9 | 1058.6 | 978.2 | 880.6 | 809.8 | 710.0 | 631.3 | 546.4 | 479.4 |
| 75° | 756.4 | 704.9 | 640.6 | 560.0 | 498.6 | 419.3 | 378.0 | 302.1 | 257.3 | 218.1 | 180.2 |
| 77.5° | 386.8 | 348.1 | 303.0 | 257.6 | 214.1 | 170.8 | 132.1 | 93.4 | 63.0 | 43.8 | 32.6 |
| 80° | 319.5 | 285.3 | 248.0 | 206.6 | 168.2 | 130.5 | 94.0 | 64.1 | 40.8 | 26.7 | 20.8 |
| 82.5° | 264.0 | 235.2 | 201.8 | 163.4 | 130.0 | 102.5 | 71.3 | 46.4 | 28.8 | 18.7 | 14.7 |
| 85° | 112.4 | 102.0 | 78.7 | 62.5 | 47.0 | 34.7 | 24.3 | 16.3 | 11.5 | 9.3 | 8.5 |
| 87.5° | 4.8 | 5.3 | 5.1 | 4.0 | 2.9 | 2.9 | 2.7 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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-F01-LED-E-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 0° | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 2.5° | 43.8 | 43.5 | 43.2 | 43.2 | 43.0 | 42.7 | 41.1 | 39.8 | 38.2 | 37.1 | 36.0 |
| 5° | 45.6 | 45.4 | 44.8 | 44.6 | 44.0 | 43.8 | 40.3 | 37.4 | 35.0 | 33.1 | 31.8 |
| 7.5° | 47.5 | 47.2 | 46.4 | 45.6 | 45.4 | 44.8 | 39.2 | 35.5 | 32.3 | 30.2 | 28.8 |
| 10° | 49.9 | 49.1 | 48.3 | 47.2 | 46.4 | 45.6 | 38.2 | 33.4 | 29.9 | 28.0 | 26.7 |
| 12.5° | 53.4 | 52.0 | 50.7 | 49.4 | 48.3 | 47.0 | 37.6 | 31.5 | 28.0 | 25.9 | 24.6 |
| 15° | 57.4 | 55.5 | 53.9 | 52.3 | 50.4 | 49.1 | 36.6 | 29.9 | 26.4 | 24.3 | 22.7 |
| 17.5° | 61.1 | 59.0 | 56.6 | 54.2 | 52.3 | 50.4 | 35.5 | 28.3 | 24.8 | 22.7 | 21.1 |
| 20° | 66.5 | 63.3 | 60.3 | 57.4 | 54.7 | 52.3 | 33.9 | 26.7 | 23.5 | 21.1 | 19.5 |
| 22.5° | 72.3 | 68.6 | 64.9 | 60.9 | 57.4 | 54.2 | 32.6 | 25.4 | 22.2 | 19.7 | 17.9 |
| 25° | 79.8 | 75.3 | 70.2 | 65.1 | 61.1 | 56.8 | 31.2 | 24.0 | 20.8 | 18.4 | 16.5 |
| 27.5° | 90.2 | 83.8 | 78.2 | 71.8 | 65.7 | 60.9 | 30.2 | 22.9 | 19.5 | 17.1 | 15.2 |
| 30° | 104.4 | 95.0 | 86.2 | 79.3 | 72.1 | 65.1 | 29.1 | 21.6 | 18.4 | 15.8 | 13.6 |
| 32.5° | 120.1 | 109.2 | 99.0 | 88.6 | 79.5 | 71.5 | 28.0 | 20.6 | 17.1 | 14.4 | 12.5 |
| 35° | 139.6 | 125.7 | 112.1 | 100.1 | 89.2 | 78.5 | 27.0 | 19.5 | 16.0 | 13.1 | 11.2 |
| 37.5° | 167.6 | 150.3 | 132.4 | 116.9 | 102.8 | 88.6 | 26.2 | 18.4 | 14.7 | 11.7 | 9.9 |
| 40° | 206.1 | 183.6 | 161.8 | 140.7 | 122.2 | 104.6 | 25.1 | 17.4 | 13.6 | 10.7 | 8.8 |
| 42.5° | 247.7 | 220.5 | 191.7 | 167.9 | 142.5 | 120.4 | 24.0 | 16.3 | 12.5 | 9.6 | 7.7 |
| 45° | 299.5 | 265.6 | 230.6 | 198.3 | 167.4 | 138.8 | 22.9 | 15.2 | 11.2 | 8.5 | 6.7 |
| 47.5° | 356.1 | 312.8 | 273.3 | 232.7 | 195.9 | 161.8 | 21.6 | 14.4 | 10.1 | 7.5 | 5.9 |
| 50° | 414.2 | 368.6 | 318.7 | 272.5 | 228.8 | 184.7 | 20.3 | 13.1 | 9.1 | 6.7 | 4.8 |
| 52.5° | 477.0 | 423.1 | 372.1 | 314.7 | 263.7 | 214.9 | 19.0 | 12.0 | 8.3 | 5.9 | 4.0 |
| 55° | 556.8 | 496.5 | 436.7 | 372.3 | 311.0 | 249.8 | 17.6 | 10.7 | 7.2 | 5.1 | 3.2 |
| 57.5° | 657.2 | 585.6 | 512.2 | 439.6 | 365.1 | 295.7 | 16.5 | 9.3 | 6.1 | 4.3 | 2.7 |
| 60° | 751.9 | 668.4 | 579.5 | 495.9 | 411.9 | 331.0 | 14.9 | 8.3 | 5.3 | 3.5 | 2.7 |
| 62.5° | 801.0 | 705.7 | 609.9 | 517.8 | 428.1 | 343.5 | 13.3 | 6.9 | 4.5 | 2.9 | 2.4 |
| 65° | 789.0 | 691.9 | 599.0 | 506.1 | 418.3 | 335.5 | 11.7 | 6.1 | 4.0 | 2.7 | 2.4 |
| 66° | 771.7 | 675.6 | 582.1 | 493.8 | 410.0 | 327.0 | 10.9 | 5.9 | 3.7 | 2.7 | 2.1 |
| 67.5° | 733.8 | 640.9 | 551.7 | 469.5 | 387.3 | 310.7 | 9.9 | 5.3 | 3.5 | 2.4 | 2.1 |
| 70° | 626.7 | 542.4 | 471.1 | 398.0 | 331.0 | 261.8 | 8.0 | 4.5 | 2.9 | 2.1 | 2.1 |
| 72.5° | 414.8 | 357.4 | 309.9 | 266.6 | 222.9 | 173.0 | 6.7 | 3.7 | 2.4 | 2.1 | 1.9 |
| 75° | 156.4 | 141.5 | 121.5 | 109.2 | 95.3 | 83.5 | 5.3 | 2.4 | 1.9 | 1.9 | 1.9 |
| 77.5° | 27.8 | 25.6 | 22.7 | 20.8 | 19.2 | 17.6 | 4.3 | 1.6 | 1.6 | 1.9 | 1.9 |
| 80° | 18.7 | 17.4 | 15.8 | 14.4 | 13.3 | 12.0 | 2.9 | 1.3 | 1.6 | 1.6 | 1.9 |
| 82.5° | 13.3 | 12.5 | 11.7 | 10.7 | 9.9 | 8.8 | 1.9 | 1.3 | 1.6 | 1.6 | 1.6 |
| 85° | 8.0 | 7.5 | 6.9 | 6.4 | 5.6 | 5.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 87.5° | 2.1 | 1.9 | 2.1 | 2.1 | 1.6 | 1.9 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 |
| 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: P163652

CATALOG NUMBER: OVF-F01-LED-E-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0° | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 2.5° | 35.5 | 35.5 | 35.0 | 35.8 | 35.8 |
| 5° | 30.7 | 30.7 | 30.4 | 30.7 | 30.7 |
| 7.5° | 28.0 | 27.8 | 27.8 | 27.8 | 28.0 |
| 10° | 25.6 | 25.4 | 25.4 | 25.4 | 25.4 |
| 12.5° | 23.5 | 23.2 | 22.9 | 23.2 | 23.2 |
| 15° | 21.6 | 21.1 | 21.1 | 21.1 | 21.1 |
| 17.5° | 20.0 | 19.5 | 19.2 | 19.2 | 19.2 |
| 20° | 18.4 | 17.6 | 17.6 | 17.6 | 17.6 |
| 22.5° | 16.8 | 16.0 | 16.0 | 16.0 | 16.0 |
| 25° | 15.2 | 14.4 | 14.4 | 14.4 | 14.4 |
| 27.5° | 13.9 | 13.1 | 13.1 | 13.1 | 13.1 |
| 30° | 12.3 | 11.7 | 11.7 | 12.0 | 11.7 |
| 32.5° | 11.2 | 10.4 | 10.4 | 10.7 | 10.7 |
| 35° | 9.9 | 9.3 | 9.3 | 9.3 | 9.3 |
| 37.5° | 8.5 | 8.0 | 8.0 | 8.0 | 8.0 |
| 40° | 7.5 | 6.9 | 6.7 | 6.9 | 6.9 |
| 42.5° | 6.4 | 5.9 | 5.6 | 5.6 | 5.6 |
| 45° | 5.6 | 4.8 | 4.5 | 4.8 | 4.8 |
| 47.5° | 4.5 | 4.0 | 4.0 | 4.3 | 4.3 |
| 50° | 3.5 | 3.5 | 3.7 | 4.3 | 4.3 |
| 52.5° | 3.2 | 3.2 | 3.7 | 4.3 | 4.3 |
| 55° | 2.9 | 3.2 | 3.7 | 4.0 | 4.3 |
| 57.5° | 2.7 | 3.2 | 3.7 | 4.0 | 4.0 |
| 60° | 2.7 | 2.9 | 3.5 | 4.0 | 4.0 |
| 62.5° | 2.4 | 2.7 | 3.2 | 3.7 | 3.7 |
| 65° | 2.4 | 2.7 | 3.2 | 3.7 | 3.7 |
| 66° | 2.4 | 2.7 | 3.2 | 3.7 | 3.7 |
| 67.5° | 2.4 | 2.7 | 3.2 | 3.7 | 3.7 |
| 70° | 2.4 | 2.7 | 3.2 | 3.5 | 3.5 |
| 72.5° | 2.1 | 2.4 | 2.9 | 3.5 | 3.5 |
| 75° | 2.1 | 2.4 | 2.9 | 3.5 | 3.5 |
| 77.5° | 2.1 | 2.4 | 2.9 | 3.5 | 3.5 |
| 80° | 2.1 | 2.4 | 2.9 | 3.2 | 3.5 |
| 82.5° | 1.9 | 2.4 | 2.7 | 3.2 | 3.2 |
| 85° | 1.9 | 2.1 | 2.7 | 2.9 | 3.2 |
| 87.5° | 1.6 | 1.9 | 2.1 | 2.7 | 2.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)