

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: P164010

Luminaire Tested: **OVH-F03-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164010
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-F03-LED-E-U-SL4-HSS-8030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4125.5 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

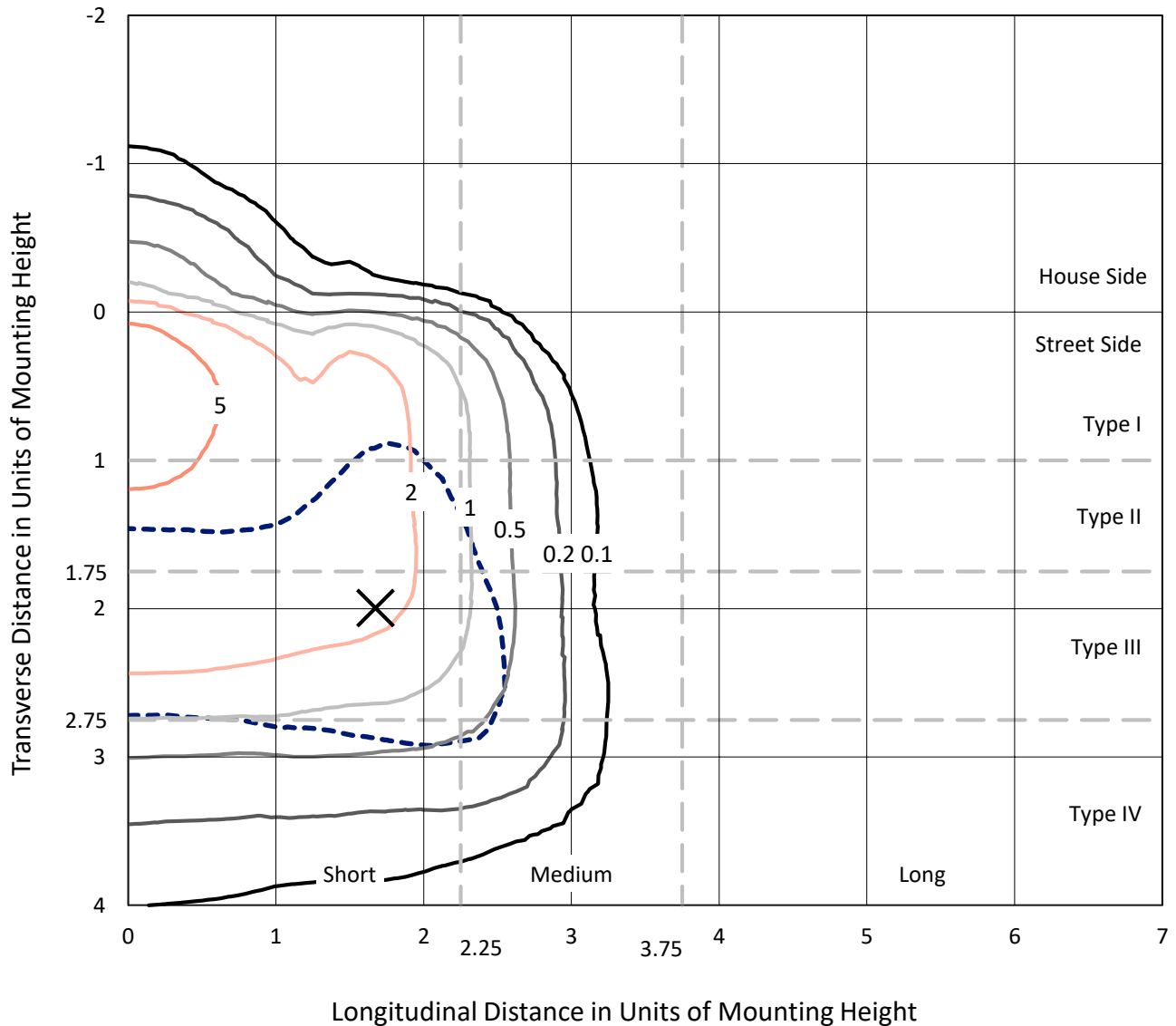
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P164010
 CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

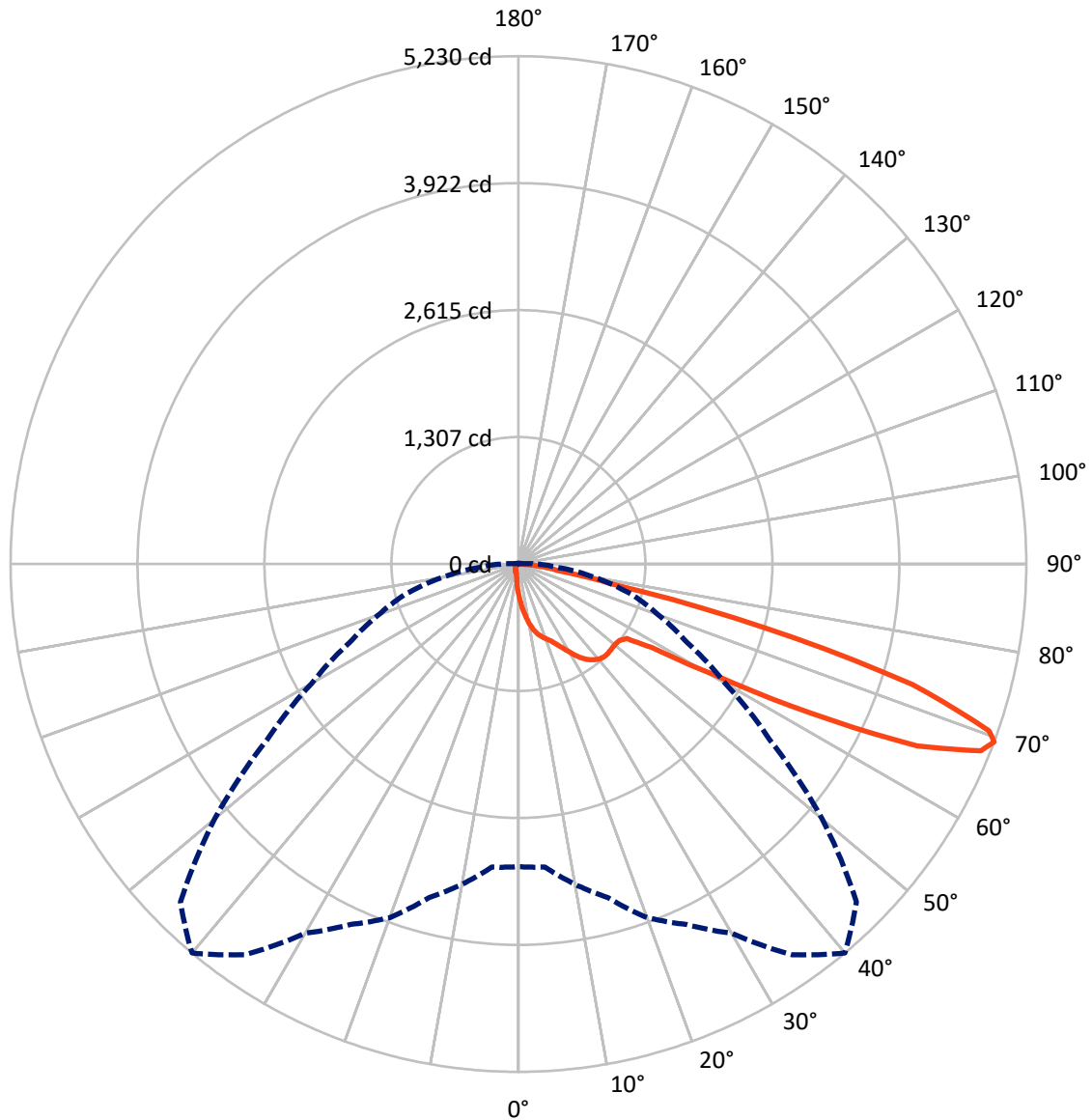
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P164010
CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P164010

CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 122.9 | 0.0 | 122.9 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 4002.7 | 0.0 | 4002.7 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 4125.5 | 0.0 | 4125.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.0 | 0.8 |
| 10°-20° | 110.4 | 2.7 |
| 20°-30° | 211.3 | 5.1 |
| 30°-40° | 351.4 | 8.5 |
| 40°-50° | 475.5 | 11.5 |
| 50°-60° | 743.7 | 18.0 |
| 60°-70° | 1529.0 | 37.1 |
| 70°-80° | 615.2 | 14.9 |
| 80°-90° | 56.9 | 1.4 |
| 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° | 4125.5 | 100.0 |
| 0°-180° | 4125.5 | 100.0 |



REPORT NUMBER: P164010

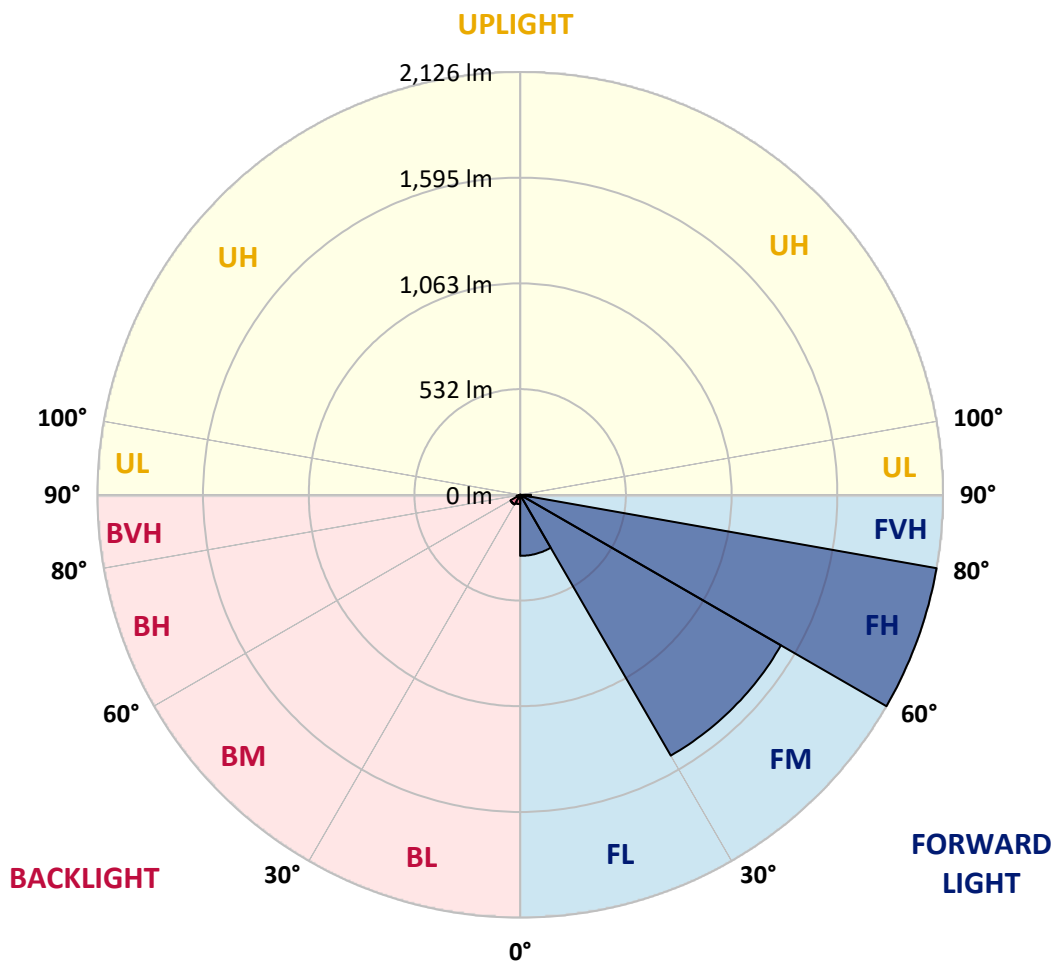
CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 307.0 | 7.4 | | | |
| FM (30°-60°) | 1514.5 | 36.7 | | | |
| FH (60°-80°) | 2126.3 | 51.5 | | | G2/5000 |
| FVH (80°-90°) | 54.8 | 1.3 | | | G1/100 |
| BL (0°-30°) | 46.7 | 1.1 | B0/110 | | |
| BM (30°-60°) | 56.1 | 1.4 | B0/220 | | |
| BH (60°-80°) | 17.9 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.1 | 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-G2

Type IV Short





REPORT NUMBER: P164010
 CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 |
| 2.5° | 415.6 | 410.9 | 405.5 | 405.5 | 398.7 | 398.7 | 394.7 | 383.9 | 382.5 | 376.4 | 370.3 |
| 5° | 530.5 | 526.5 | 519.7 | 513.6 | 508.2 | 498.8 | 492.0 | 479.2 | 465.0 | 451.4 | 439.3 |
| 7.5° | 642.7 | 640.7 | 628.5 | 626.5 | 617.7 | 602.1 | 588.6 | 569.7 | 545.4 | 526.5 | 504.2 |
| 10° | 746.8 | 742.1 | 739.3 | 727.9 | 715.0 | 698.1 | 677.2 | 654.2 | 625.8 | 596.1 | 564.3 |
| 12.5° | 829.2 | 826.6 | 814.4 | 809.6 | 796.1 | 779.2 | 752.9 | 723.1 | 694.7 | 656.2 | 619.1 |
| 15° | 890.7 | 886.0 | 877.9 | 870.4 | 854.2 | 839.4 | 815.1 | 782.6 | 748.1 | 706.2 | 661.6 |
| 17.5° | 942.1 | 933.3 | 931.3 | 919.8 | 902.9 | 885.3 | 858.3 | 828.6 | 788.0 | 746.1 | 697.5 |
| 20° | 1011.0 | 998.9 | 994.8 | 977.9 | 958.3 | 934.0 | 902.9 | 865.7 | 823.2 | 777.2 | 727.2 |
| 22.5° | 1092.1 | 1083.4 | 1074.6 | 1059.7 | 1034.7 | 1000.2 | 954.9 | 914.4 | 860.3 | 809.6 | 755.6 |
| 25° | 1207.0 | 1199.6 | 1185.4 | 1165.1 | 1134.0 | 1092.8 | 1038.1 | 978.6 | 915.1 | 850.2 | 786.7 |
| 27.5° | 1318.5 | 1311.8 | 1301.7 | 1286.1 | 1250.9 | 1205.7 | 1138.1 | 1062.4 | 982.0 | 903.6 | 833.3 |
| 30° | 1423.3 | 1417.2 | 1407.1 | 1391.5 | 1360.4 | 1315.8 | 1239.5 | 1158.4 | 1058.4 | 967.1 | 882.6 |
| 32.5° | 1536.1 | 1534.1 | 1522.6 | 1500.4 | 1473.3 | 1413.1 | 1330.0 | 1242.8 | 1141.5 | 1036.0 | 937.4 |
| 35° | 1663.9 | 1648.3 | 1637.5 | 1615.2 | 1569.3 | 1505.1 | 1407.8 | 1312.4 | 1205.7 | 1097.5 | 987.4 |
| 37.5° | 1772.0 | 1757.2 | 1743.7 | 1715.3 | 1659.2 | 1577.4 | 1467.2 | 1362.5 | 1252.3 | 1142.1 | 1030.0 |
| 40° | 1851.1 | 1843.6 | 1827.4 | 1790.3 | 1727.4 | 1630.1 | 1511.1 | 1396.9 | 1286.1 | 1175.3 | 1064.4 |
| 42.5° | 1909.9 | 1898.4 | 1880.1 | 1841.6 | 1767.3 | 1656.4 | 1528.7 | 1411.1 | 1301.7 | 1195.6 | 1086.7 |
| 45° | 1931.5 | 1922.1 | 1905.1 | 1863.3 | 1782.8 | 1663.9 | 1528.0 | 1407.1 | 1302.3 | 1201.6 | 1101.6 |
| 47.5° | 1918.7 | 1909.2 | 1894.4 | 1855.1 | 1776.1 | 1655.1 | 1515.9 | 1395.6 | 1295.6 | 1203.7 | 1115.1 |
| 50° | 1876.1 | 1870.7 | 1859.2 | 1826.1 | 1755.1 | 1638.2 | 1505.1 | 1389.5 | 1294.2 | 1213.8 | 1134.0 |
| 52.5° | 1872.0 | 1868.6 | 1854.5 | 1821.4 | 1749.0 | 1632.8 | 1503.7 | 1392.9 | 1305.7 | 1226.6 | 1147.6 |
| 55° | 2287.7 | 2239.7 | 2132.2 | 2041.0 | 1891.0 | 1712.5 | 1572.0 | 1447.6 | 1354.4 | 1277.3 | 1221.9 |
| 57.5° | 3251.4 | 3179.7 | 3038.5 | 2864.8 | 2520.2 | 2181.5 | 1910.6 | 1714.6 | 1617.9 | 1582.8 | 1603.7 |
| 60° | 3702.8 | 3690.0 | 3667.7 | 3585.2 | 3408.9 | 3117.6 | 2793.2 | 2442.4 | 2301.9 | 2289.7 | 2332.3 |
| 62.5° | 3917.1 | 3909.0 | 3915.8 | 3905.6 | 3850.9 | 3765.7 | 3672.5 | 3521.0 | 3381.8 | 3292.0 | 3101.4 |
| 65° | 4015.7 | 4021.2 | 4059.7 | 4090.1 | 4096.8 | 4119.2 | 4187.4 | 4376.0 | 4513.8 | 4282.0 | 3752.9 |
| 67.5° | 3765.0 | 3796.8 | 3885.3 | 3996.2 | 4125.9 | 4251.6 | 4454.4 | 4851.7 | 5134.9 | 4862.6 | 4111.1 |
| 69° | 3116.9 | 3132.5 | 3348.7 | 3557.5 | 3874.5 | 4096.2 | 4390.2 | 4911.2 | 5229.5 | 4922.1 | 4082.7 |
| 70° | 2453.9 | 2468.1 | 2699.9 | 2983.8 | 3519.7 | 3804.9 | 4189.4 | 4810.5 | 5141.0 | 4843.0 | 3936.7 |
| 72.5° | 1107.0 | 1086.7 | 1168.5 | 1320.6 | 1903.1 | 2355.9 | 3028.4 | 3897.5 | 4241.5 | 3879.9 | 2945.3 |
| 75° | 773.1 | 764.3 | 773.1 | 773.8 | 864.4 | 1115.1 | 1407.1 | 2112.6 | 2612.8 | 2254.5 | 1407.1 |
| 77.5° | 598.8 | 592.7 | 586.6 | 579.9 | 590.7 | 661.6 | 690.0 | 749.5 | 973.2 | 920.5 | 536.6 |
| 80° | 473.8 | 468.3 | 483.2 | 478.5 | 478.5 | 486.6 | 481.2 | 458.9 | 417.0 | 386.6 | 346.0 |
| 82.5° | 220.3 | 221.7 | 221.7 | 240.6 | 289.9 | 338.6 | 354.1 | 331.8 | 294.7 | 250.7 | 202.1 |
| 85° | 20.9 | 23.7 | 39.9 | 61.5 | 122.3 | 137.9 | 138.5 | 114.9 | 114.9 | 90.5 | 73.0 |
| 87.5° | 0.0 | 0.7 | 0.7 | 0.7 | 6.1 | 16.9 | 14.2 | 4.1 | 2.0 | 2.0 | 3.4 |
| 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: P164010
 CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 |
| 2.5° | 359.6 | 357.5 | 349.4 | 341.3 | 333.8 | 325.7 | 318.3 | 310.9 | 302.8 | 296.7 | 289.2 |
| 5° | 420.4 | 405.5 | 388.6 | 372.4 | 356.2 | 339.3 | 321.7 | 306.1 | 289.9 | 275.1 | 260.9 |
| 7.5° | 481.9 | 452.8 | 429.8 | 400.8 | 374.4 | 348.1 | 323.7 | 298.7 | 275.7 | 254.1 | 233.9 |
| 10° | 533.9 | 498.8 | 462.9 | 425.8 | 387.9 | 352.8 | 319.0 | 289.2 | 258.9 | 232.5 | 207.5 |
| 12.5° | 576.5 | 531.9 | 487.9 | 441.3 | 398.7 | 354.1 | 312.2 | 276.4 | 240.6 | 210.9 | 185.2 |
| 15° | 615.0 | 563.6 | 510.9 | 456.9 | 402.8 | 352.1 | 305.5 | 260.9 | 224.4 | 190.6 | 161.5 |
| 17.5° | 646.1 | 587.3 | 527.8 | 467.0 | 408.9 | 349.4 | 296.7 | 250.1 | 207.5 | 172.3 | 143.9 |
| 20° | 673.1 | 611.6 | 547.4 | 479.2 | 412.9 | 348.7 | 289.2 | 236.5 | 192.6 | 155.4 | 127.7 |
| 22.5° | 698.1 | 636.6 | 567.7 | 494.7 | 419.0 | 348.1 | 282.5 | 226.4 | 179.8 | 142.6 | 114.9 |
| 25° | 726.5 | 661.6 | 589.3 | 510.9 | 429.8 | 350.7 | 278.5 | 218.3 | 168.3 | 130.4 | 104.8 |
| 27.5° | 758.3 | 690.0 | 615.0 | 531.2 | 444.0 | 356.2 | 277.1 | 209.5 | 158.1 | 118.9 | 96.7 |
| 30° | 802.9 | 723.8 | 640.7 | 551.5 | 456.9 | 362.2 | 275.7 | 204.1 | 148.0 | 110.2 | 88.5 |
| 32.5° | 842.1 | 756.9 | 669.1 | 572.4 | 471.0 | 368.3 | 275.1 | 196.6 | 138.5 | 101.4 | 82.4 |
| 35° | 883.3 | 787.3 | 693.4 | 592.7 | 483.2 | 375.1 | 274.4 | 191.3 | 129.8 | 92.6 | 76.4 |
| 37.5° | 919.1 | 813.0 | 712.3 | 610.3 | 496.7 | 381.2 | 275.1 | 186.5 | 121.7 | 85.2 | 70.9 |
| 40° | 949.5 | 839.4 | 733.3 | 626.5 | 510.9 | 390.6 | 275.7 | 181.8 | 113.5 | 78.4 | 66.2 |
| 42.5° | 976.6 | 864.4 | 755.6 | 644.7 | 527.2 | 401.4 | 279.8 | 177.8 | 106.8 | 72.3 | 61.5 |
| 45° | 997.5 | 887.4 | 779.9 | 670.4 | 553.5 | 419.0 | 287.2 | 175.0 | 100.0 | 66.9 | 57.4 |
| 47.5° | 1019.1 | 921.2 | 821.1 | 711.0 | 592.0 | 446.7 | 300.1 | 174.4 | 94.6 | 62.8 | 54.1 |
| 50° | 1048.9 | 954.9 | 857.6 | 752.2 | 627.2 | 475.1 | 315.6 | 175.0 | 87.9 | 58.8 | 50.7 |
| 52.5° | 1070.5 | 989.4 | 904.9 | 823.8 | 711.0 | 561.6 | 375.8 | 187.2 | 84.5 | 55.4 | 46.6 |
| 55° | 1198.2 | 1184.1 | 1186.1 | 1199.6 | 1112.4 | 955.6 | 628.5 | 270.3 | 99.3 | 62.8 | 45.9 |
| 57.5° | 1689.6 | 1739.6 | 1768.6 | 1768.0 | 1624.0 | 1346.9 | 844.1 | 347.4 | 110.8 | 73.0 | 54.7 |
| 60° | 2335.6 | 2297.8 | 2244.4 | 2112.6 | 1921.4 | 1537.5 | 944.1 | 373.7 | 96.0 | 58.1 | 50.0 |
| 62.5° | 2906.7 | 2685.1 | 2488.4 | 2274.8 | 2024.1 | 1603.7 | 964.4 | 371.7 | 83.8 | 43.9 | 35.2 |
| 65° | 3262.9 | 2864.2 | 2546.5 | 2278.9 | 1983.6 | 1548.3 | 912.4 | 341.3 | 70.9 | 35.8 | 29.1 |
| 67.5° | 3348.1 | 2767.5 | 2318.1 | 1976.8 | 1657.1 | 1205.0 | 669.7 | 256.8 | 55.4 | 29.7 | 25.7 |
| 69° | 3162.2 | 2460.0 | 1920.7 | 1533.5 | 1205.7 | 799.5 | 414.3 | 162.2 | 42.6 | 27.0 | 23.7 |
| 70° | 2908.8 | 2139.7 | 1564.5 | 1230.7 | 892.8 | 561.6 | 289.9 | 114.2 | 34.4 | 25.0 | 21.6 |
| 72.5° | 1871.4 | 1123.9 | 769.1 | 535.3 | 368.3 | 223.7 | 113.5 | 51.4 | 26.3 | 20.9 | 17.6 |
| 75° | 725.8 | 415.6 | 301.4 | 229.1 | 179.1 | 124.4 | 68.9 | 33.1 | 22.3 | 17.6 | 13.5 |
| 77.5° | 357.5 | 273.7 | 223.7 | 153.4 | 89.2 | 55.4 | 37.2 | 25.7 | 18.2 | 12.8 | 8.8 |
| 80° | 282.5 | 187.9 | 112.2 | 69.6 | 52.7 | 39.9 | 28.4 | 20.9 | 13.5 | 8.1 | 6.1 |
| 82.5° | 144.6 | 79.1 | 58.1 | 47.3 | 39.2 | 31.1 | 23.0 | 14.9 | 8.8 | 5.4 | 4.7 |
| 85° | 45.3 | 33.1 | 29.7 | 29.1 | 27.0 | 22.3 | 16.2 | 9.4 | 5.4 | 3.4 | 3.4 |
| 87.5° | 3.4 | 4.7 | 6.1 | 4.7 | 5.4 | 4.7 | 6.1 | 4.1 | 2.7 | 2.7 | 2.0 |
| 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: P164010

CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 | 311.6 |
| 2.5° | 283.9 | 275.7 | 268.3 | 263.6 | 254.8 | 251.4 | 248.0 | 246.7 | 240.6 | 242.0 | 236.5 |
| 5° | 248.0 | 233.9 | 223.0 | 212.2 | 202.1 | 194.6 | 188.5 | 181.1 | 175.0 | 172.3 | 166.9 |
| 7.5° | 215.6 | 197.4 | 183.1 | 171.6 | 159.5 | 150.0 | 141.9 | 136.5 | 131.1 | 125.7 | 123.0 |
| 10° | 187.2 | 167.6 | 151.4 | 139.9 | 128.4 | 120.3 | 114.2 | 110.2 | 106.8 | 104.8 | 104.1 |
| 12.5° | 160.9 | 141.9 | 127.0 | 116.9 | 108.1 | 104.1 | 101.4 | 99.3 | 98.7 | 98.0 | 98.0 |
| 15° | 140.6 | 121.7 | 110.2 | 102.7 | 98.7 | 96.7 | 96.0 | 94.6 | 93.3 | 92.6 | 92.6 |
| 17.5° | 121.7 | 107.4 | 99.3 | 95.3 | 93.3 | 91.9 | 90.5 | 89.2 | 87.9 | 87.2 | 87.2 |
| 20° | 108.8 | 97.3 | 93.3 | 90.5 | 88.5 | 87.2 | 85.2 | 83.8 | 83.1 | 82.4 | 81.8 |
| 22.5° | 98.7 | 91.2 | 88.5 | 86.5 | 83.8 | 81.8 | 80.4 | 79.1 | 77.7 | 77.0 | 76.4 |
| 25° | 91.2 | 86.5 | 84.5 | 81.8 | 79.1 | 77.0 | 75.0 | 73.0 | 71.7 | 70.9 | 69.6 |
| 27.5° | 85.8 | 82.4 | 79.8 | 76.4 | 73.7 | 71.7 | 69.6 | 67.6 | 66.2 | 64.9 | 64.2 |
| 30° | 81.1 | 77.7 | 74.3 | 71.7 | 68.3 | 66.2 | 63.5 | 61.5 | 60.8 | 59.5 | 58.1 |
| 32.5° | 76.4 | 73.0 | 69.6 | 66.2 | 62.8 | 60.2 | 58.8 | 56.1 | 54.7 | 54.1 | 52.7 |
| 35° | 70.9 | 67.6 | 63.5 | 60.8 | 57.4 | 54.7 | 52.7 | 50.7 | 49.3 | 48.0 | 47.3 |
| 37.5° | 66.2 | 62.2 | 58.1 | 54.7 | 52.0 | 49.3 | 47.3 | 45.3 | 43.9 | 42.6 | 41.9 |
| 40° | 60.8 | 56.8 | 52.7 | 49.3 | 46.6 | 44.6 | 42.6 | 40.6 | 39.2 | 38.5 | 38.5 |
| 42.5° | 56.1 | 51.4 | 47.3 | 44.6 | 42.6 | 39.9 | 37.8 | 35.8 | 35.2 | 34.4 | 35.2 |
| 45° | 51.4 | 46.6 | 43.3 | 40.6 | 38.5 | 35.8 | 33.8 | 32.4 | 31.8 | 32.4 | 33.1 |
| 47.5° | 47.3 | 42.6 | 39.2 | 37.2 | 35.2 | 33.1 | 31.1 | 29.7 | 29.7 | 31.1 | 32.4 |
| 50° | 43.3 | 38.5 | 35.8 | 34.4 | 32.4 | 30.4 | 27.7 | 27.0 | 27.7 | 29.1 | 30.4 |
| 52.5° | 39.2 | 33.8 | 31.8 | 31.1 | 29.1 | 27.0 | 25.0 | 24.3 | 25.0 | 26.3 | 25.7 |
| 55° | 35.2 | 29.7 | 29.1 | 28.4 | 26.3 | 23.7 | 21.6 | 21.6 | 21.6 | 20.9 | 19.6 |
| 57.5° | 33.8 | 26.3 | 25.7 | 25.0 | 23.0 | 20.3 | 18.9 | 17.6 | 16.9 | 14.9 | 14.2 |
| 60° | 35.2 | 23.7 | 23.7 | 22.3 | 20.3 | 17.6 | 15.6 | 13.5 | 12.2 | 10.8 | 10.8 |
| 62.5° | 28.4 | 21.6 | 20.9 | 19.6 | 16.9 | 14.2 | 12.2 | 10.1 | 9.4 | 8.8 | 8.8 |
| 65° | 23.0 | 19.6 | 18.2 | 16.2 | 14.2 | 11.5 | 9.4 | 8.1 | 7.4 | 7.4 | 8.1 |
| 67.5° | 20.9 | 17.6 | 15.6 | 13.5 | 11.5 | 8.8 | 7.4 | 6.8 | 6.8 | 7.4 | 7.4 |
| 69° | 19.6 | 16.2 | 14.2 | 12.2 | 10.1 | 8.1 | 6.8 | 6.8 | 6.8 | 6.8 | 7.4 |
| 70° | 18.2 | 15.6 | 13.5 | 11.5 | 8.8 | 6.8 | 6.1 | 6.1 | 6.8 | 6.8 | 7.4 |
| 72.5° | 14.2 | 12.2 | 11.5 | 9.4 | 6.8 | 6.1 | 5.4 | 6.1 | 6.1 | 6.8 | 6.8 |
| 75° | 10.8 | 8.8 | 8.8 | 7.4 | 5.4 | 4.7 | 4.7 | 5.4 | 5.4 | 6.1 | 6.1 |
| 77.5° | 7.4 | 6.1 | 6.1 | 5.4 | 4.7 | 4.1 | 4.1 | 4.7 | 5.4 | 5.4 | 6.1 |
| 80° | 5.4 | 4.7 | 4.1 | 4.7 | 4.1 | 3.4 | 4.1 | 4.7 | 4.7 | 5.4 | 5.4 |
| 82.5° | 4.1 | 4.1 | 4.1 | 4.1 | 3.4 | 3.4 | 4.1 | 4.1 | 4.7 | 5.4 | 5.4 |
| 85° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 4.1 | 4.1 | 4.7 | 4.7 |
| 87.5° | 2.0 | 2.0 | 2.0 | 2.7 | 2.7 | 3.4 | 3.4 | 3.4 | 3.4 | 4.1 | 4.1 |
| 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: P164010

CATALOG NUMBER: OVH-F03-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 311.6 | 311.6 | 311.6 | 311.6 |
| 2.5° | 235.2 | 234.5 | 231.8 | 232.5 |
| 5° | 164.9 | 160.9 | 163.5 | 162.9 |
| 7.5° | 121.0 | 120.3 | 119.6 | 121.0 |
| 10° | 103.4 | 103.4 | 102.7 | 103.4 |
| 12.5° | 97.3 | 97.3 | 97.3 | 97.3 |
| 15° | 92.6 | 92.6 | 91.9 | 91.9 |
| 17.5° | 87.2 | 87.2 | 87.2 | 86.5 |
| 20° | 81.8 | 81.1 | 81.1 | 81.1 |
| 22.5° | 75.7 | 75.0 | 75.0 | 75.0 |
| 25° | 69.6 | 68.9 | 68.9 | 68.9 |
| 27.5° | 63.5 | 62.8 | 62.2 | 62.2 |
| 30° | 57.4 | 56.8 | 56.1 | 56.1 |
| 32.5° | 51.4 | 50.7 | 50.0 | 50.0 |
| 35° | 45.9 | 45.9 | 45.3 | 44.6 |
| 37.5° | 41.2 | 41.2 | 41.2 | 41.2 |
| 40° | 37.8 | 38.5 | 38.5 | 38.5 |
| 42.5° | 35.8 | 36.5 | 37.2 | 37.8 |
| 45° | 34.4 | 35.8 | 36.5 | 36.5 |
| 47.5° | 33.8 | 34.4 | 35.2 | 35.2 |
| 50° | 31.1 | 30.4 | 30.4 | 30.4 |
| 52.5° | 25.0 | 23.7 | 23.0 | 22.3 |
| 55° | 18.2 | 17.6 | 16.2 | 16.2 |
| 57.5° | 12.8 | 12.8 | 12.2 | 12.2 |
| 60° | 10.1 | 10.1 | 9.4 | 10.1 |
| 62.5° | 8.8 | 8.8 | 8.8 | 8.8 |
| 65° | 8.1 | 8.1 | 8.1 | 8.1 |
| 67.5° | 8.1 | 8.1 | 8.1 | 8.1 |
| 69° | 7.4 | 7.4 | 7.4 | 7.4 |
| 70° | 7.4 | 7.4 | 7.4 | 7.4 |
| 72.5° | 6.8 | 6.8 | 6.8 | 6.8 |
| 75° | 6.1 | 6.8 | 6.8 | 6.8 |
| 77.5° | 6.1 | 6.1 | 6.1 | 6.1 |
| 80° | 5.4 | 5.4 | 6.1 | 6.1 |
| 82.5° | 5.4 | 5.4 | 5.4 | 5.4 |
| 85° | 4.7 | 4.7 | 5.4 | 5.4 |
| 87.5° | 4.1 | 4.1 | 4.7 | 4.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)