

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: P164018

Luminaire Tested: **OVH-E04-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164018
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-E04-LED-E-U-SL4-HSS-7050
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8101.1 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

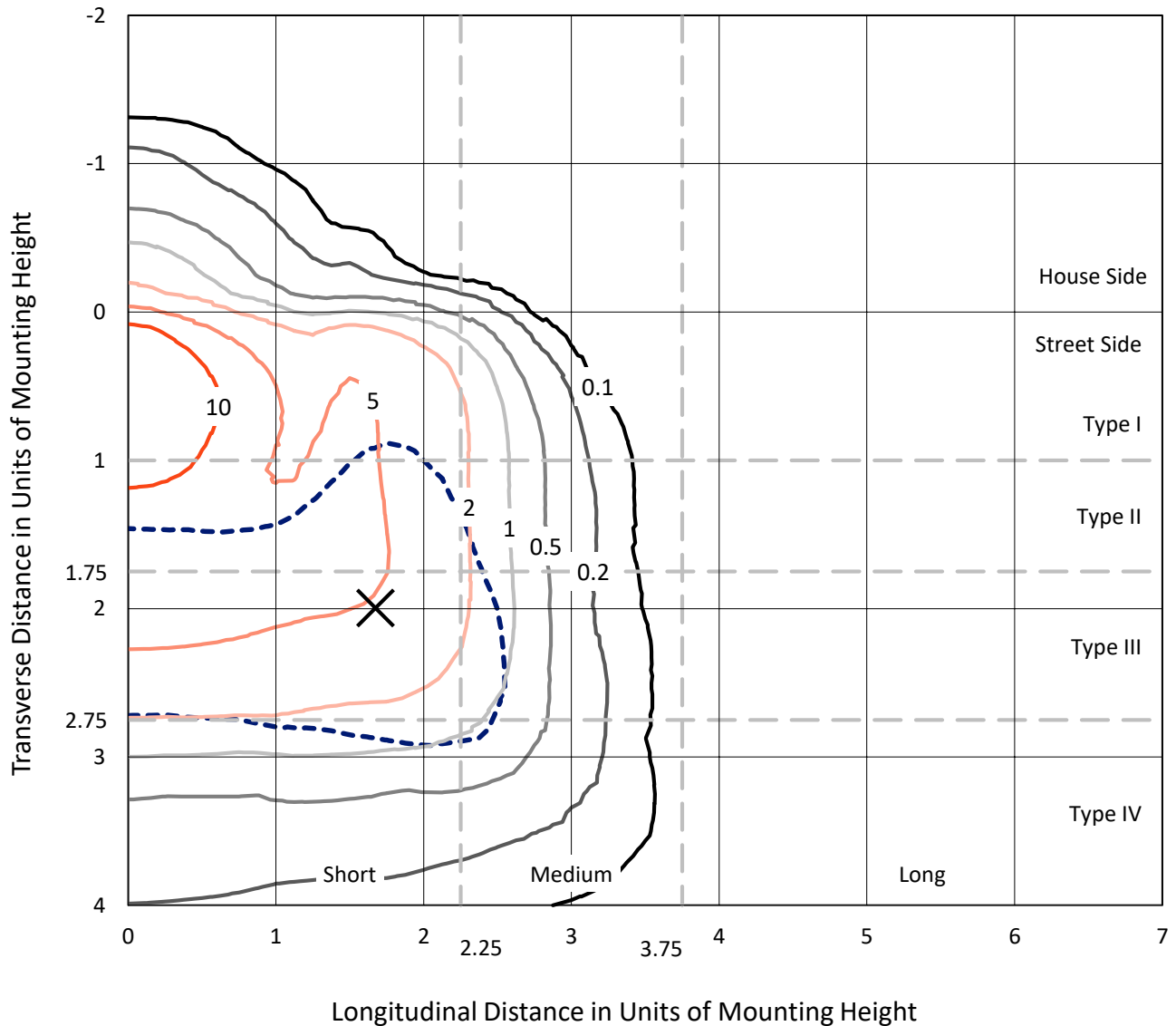
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

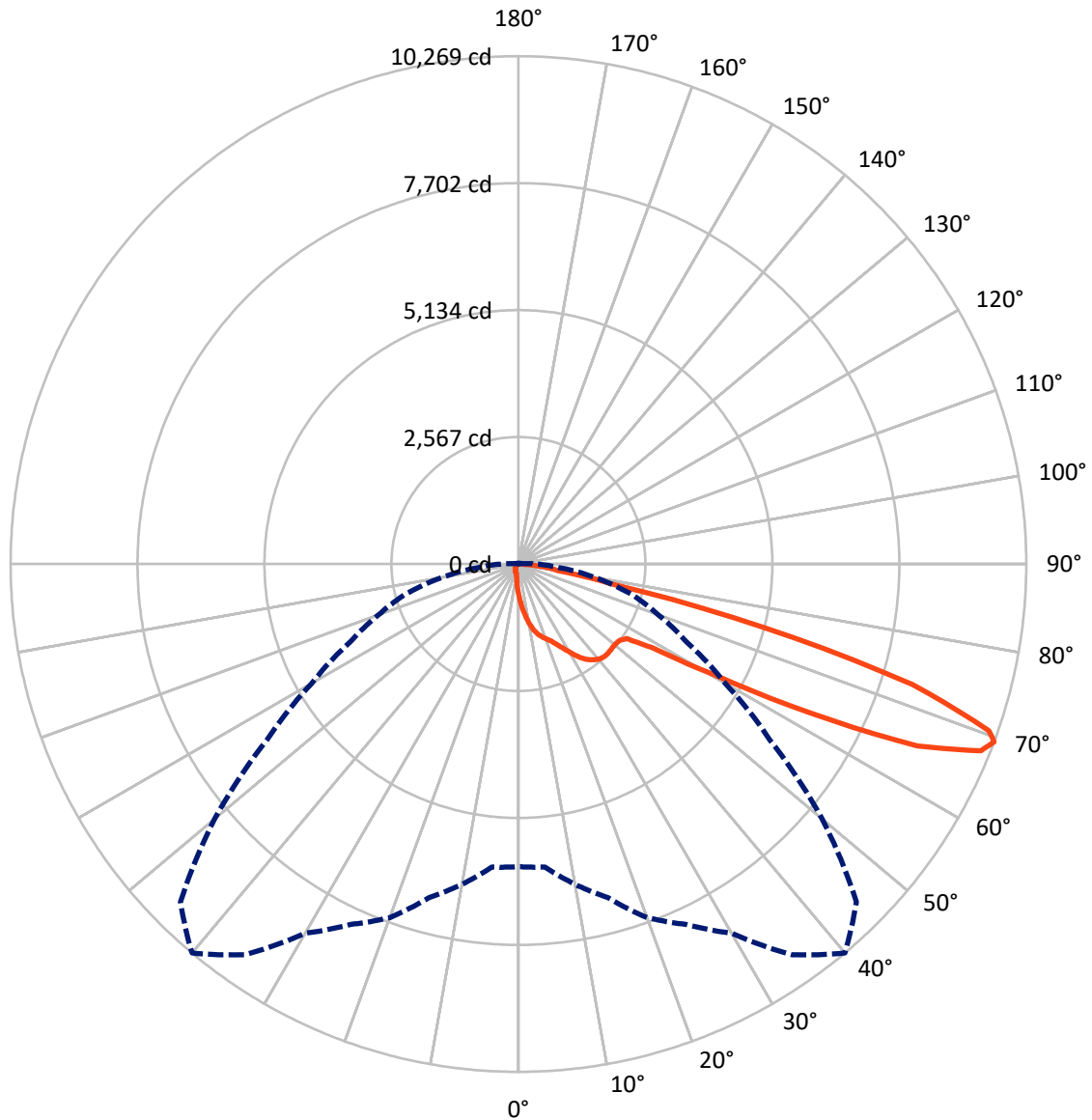
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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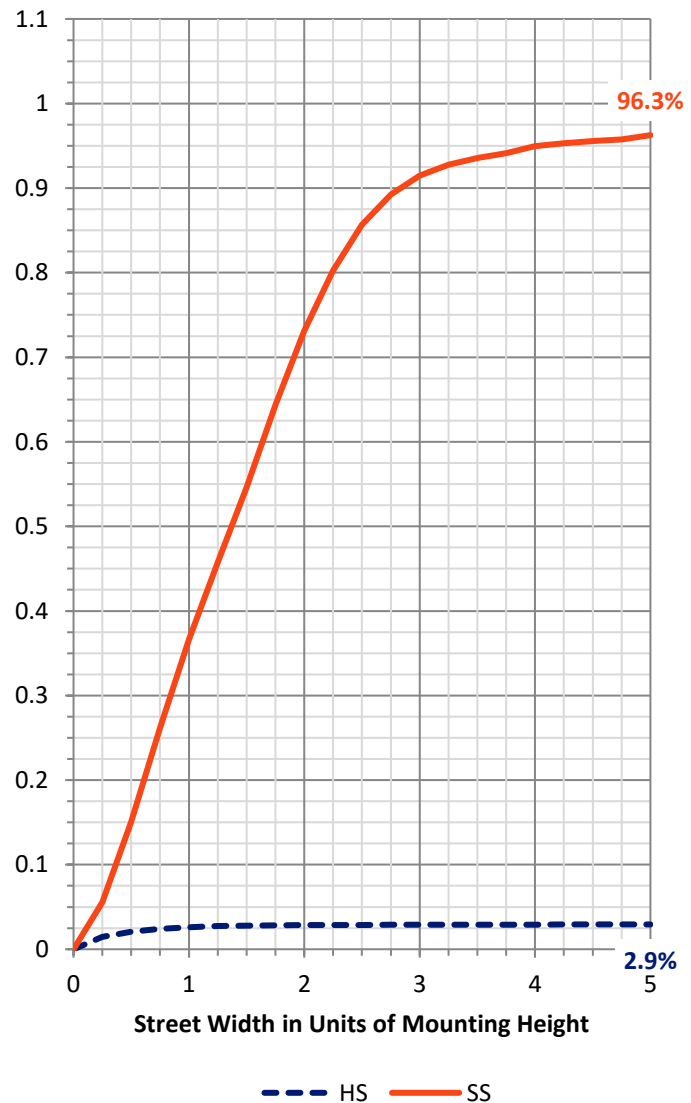
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 241.2 | 0.0 | 241.2 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 7859.8 | 0.0 | 7859.8 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 8101.1 | 0.0 | 8101.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.9 | 0.8 |
| 10°-20° | 216.8 | 2.7 |
| 20°-30° | 414.9 | 5.1 |
| 30°-40° | 690.1 | 8.5 |
| 40°-50° | 933.8 | 11.5 |
| 50°-60° | 1460.3 | 18.0 |
| 60°-70° | 3002.4 | 37.1 |
| 70°-80° | 1208.1 | 14.9 |
| 80°-90° | 111.7 | 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° | 8101.1 | 100.0 |
| 0°-180° | 8101.1 | 100.0 |

Coefficient of Utilization



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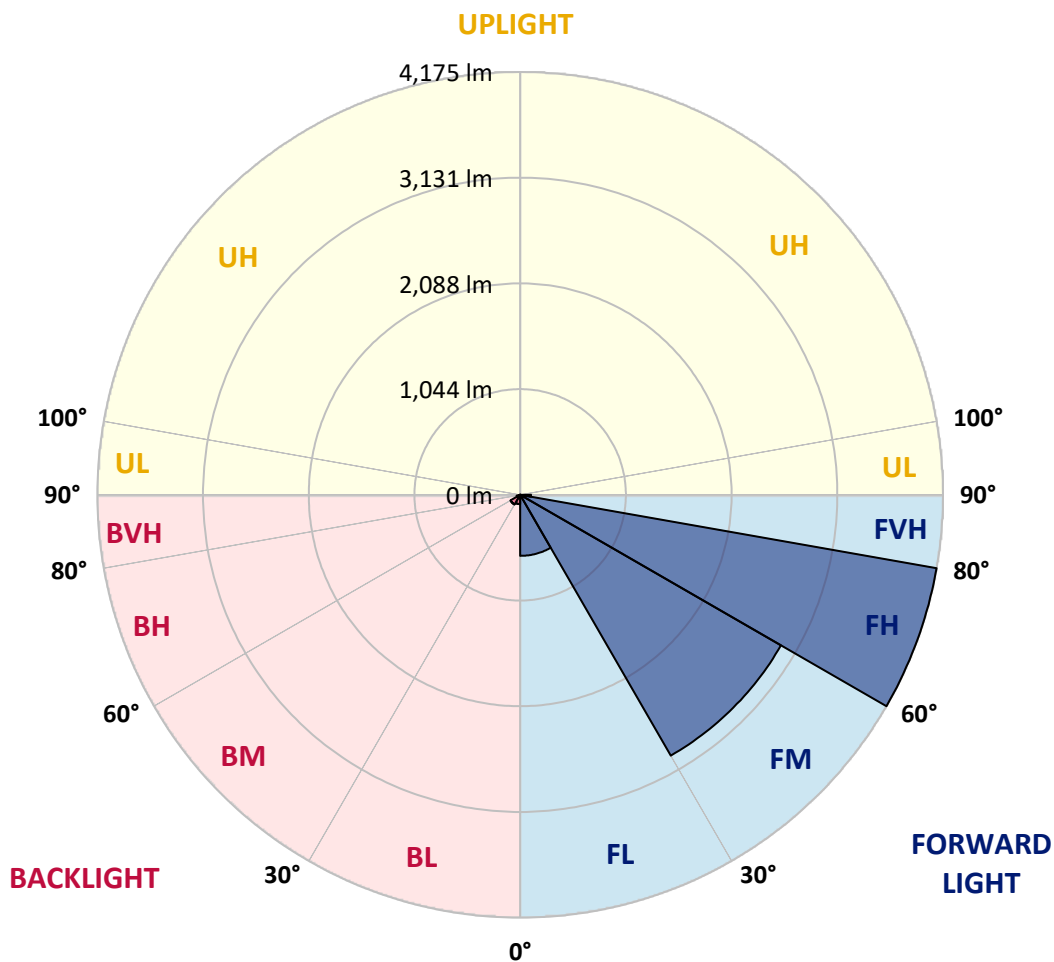
CATALOG NUMBER: OVH-E04-LED-E-U-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 602.9 | 7.4 | | | |
| FM (30°-60°) | 2974.0 | 36.7 | | | |
| FH (60°-80°) | 4175.3 | 51.5 | | | G2/5000 |
| FVH (80°-90°) | 107.6 | 1.3 | | | G2/225 |
| BL (0°-30°) | 91.8 | 1.1 | B0/110 | | |
| BM (30°-60°) | 110.1 | 1.4 | B0/220 | | |
| BH (60°-80°) | 35.2 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 4.2 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 0° | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 |
| 2.5° | 816.1 | 806.8 | 796.3 | 796.3 | 783.0 | 783.0 | 775.0 | 753.8 | 751.1 | 739.2 | 727.2 |
| 5° | 1041.8 | 1033.8 | 1020.5 | 1008.6 | 997.9 | 979.4 | 966.1 | 940.9 | 913.1 | 886.5 | 862.6 |
| 7.5° | 1262.0 | 1258.1 | 1234.2 | 1230.2 | 1212.9 | 1182.4 | 1155.9 | 1118.7 | 1070.9 | 1033.8 | 990.0 |
| 10° | 1466.4 | 1457.2 | 1451.8 | 1429.2 | 1404.0 | 1370.9 | 1329.8 | 1284.6 | 1228.9 | 1170.5 | 1108.1 |
| 12.5° | 1628.3 | 1623.1 | 1599.2 | 1589.8 | 1563.3 | 1530.1 | 1478.3 | 1420.0 | 1364.2 | 1288.6 | 1215.6 |
| 15° | 1749.1 | 1739.8 | 1723.9 | 1709.2 | 1677.4 | 1648.3 | 1600.5 | 1536.8 | 1469.1 | 1386.8 | 1299.2 |
| 17.5° | 1849.9 | 1832.7 | 1828.7 | 1806.2 | 1772.9 | 1738.5 | 1685.4 | 1627.0 | 1547.4 | 1465.1 | 1369.6 |
| 20° | 1985.3 | 1961.4 | 1953.5 | 1920.3 | 1881.8 | 1834.0 | 1772.9 | 1700.0 | 1616.4 | 1526.1 | 1427.9 |
| 22.5° | 2144.6 | 2127.3 | 2110.1 | 2080.9 | 2031.8 | 1964.0 | 1875.1 | 1795.5 | 1689.4 | 1589.8 | 1483.7 |
| 25° | 2370.1 | 2355.6 | 2327.7 | 2287.9 | 2226.8 | 2145.9 | 2038.4 | 1921.6 | 1796.8 | 1669.4 | 1544.7 |
| 27.5° | 2589.2 | 2575.9 | 2556.0 | 2525.5 | 2456.4 | 2367.5 | 2234.8 | 2086.2 | 1928.3 | 1774.3 | 1636.3 |
| 30° | 2794.9 | 2782.9 | 2763.0 | 2732.5 | 2671.4 | 2583.8 | 2433.8 | 2274.6 | 2078.2 | 1899.0 | 1733.1 |
| 32.5° | 3016.4 | 3012.5 | 2989.9 | 2946.2 | 2893.0 | 2774.9 | 2611.7 | 2440.5 | 2241.4 | 2034.4 | 1840.7 |
| 35° | 3267.3 | 3236.7 | 3215.5 | 3171.7 | 3081.5 | 2955.4 | 2764.3 | 2577.2 | 2367.5 | 2155.1 | 1938.8 |
| 37.5° | 3479.6 | 3450.4 | 3423.9 | 3368.2 | 3258.0 | 3097.4 | 2881.1 | 2675.4 | 2459.1 | 2242.7 | 2022.5 |
| 40° | 3634.9 | 3620.3 | 3588.4 | 3515.4 | 3392.1 | 3201.0 | 2967.3 | 2743.1 | 2525.5 | 2307.8 | 2090.1 |
| 42.5° | 3750.4 | 3727.8 | 3691.9 | 3616.3 | 3470.3 | 3252.7 | 3001.9 | 2771.0 | 2556.0 | 2347.6 | 2134.0 |
| 45° | 3792.8 | 3774.3 | 3741.0 | 3658.8 | 3500.8 | 3267.3 | 3000.5 | 2763.0 | 2557.3 | 2359.5 | 2163.1 |
| 47.5° | 3767.6 | 3749.0 | 3719.8 | 3642.8 | 3487.6 | 3250.0 | 2976.6 | 2740.4 | 2544.0 | 2363.6 | 2189.7 |
| 50° | 3684.0 | 3673.4 | 3650.8 | 3585.8 | 3446.4 | 3216.9 | 2955.4 | 2728.5 | 2541.4 | 2383.4 | 2226.8 |
| 52.5° | 3676.0 | 3669.4 | 3641.5 | 3576.5 | 3434.5 | 3206.2 | 2952.7 | 2735.1 | 2564.0 | 2408.6 | 2253.4 |
| 55° | 4492.2 | 4398.0 | 4186.9 | 4007.8 | 3713.2 | 3362.8 | 3086.8 | 2842.6 | 2659.5 | 2508.2 | 2399.4 |
| 57.5° | 6384.6 | 6243.9 | 5966.6 | 5625.5 | 4948.7 | 4283.8 | 3751.7 | 3366.8 | 3177.1 | 3108.0 | 3149.2 |
| 60° | 7271.1 | 7245.9 | 7202.1 | 7040.2 | 6693.8 | 6121.8 | 5484.8 | 4796.1 | 4520.0 | 4496.1 | 4579.8 |
| 62.5° | 7691.8 | 7675.8 | 7689.1 | 7669.2 | 7561.7 | 7394.5 | 7211.4 | 6914.1 | 6640.7 | 6464.2 | 6090.0 |
| 65° | 7885.5 | 7896.2 | 7971.8 | 8031.5 | 8044.7 | 8088.6 | 8222.6 | 8592.9 | 8863.6 | 8408.4 | 7369.3 |
| 67.5° | 7393.2 | 7455.5 | 7629.4 | 7847.1 | 8101.8 | 8348.6 | 8746.8 | 9527.1 | 10083.2 | 9548.4 | 8072.7 |
| 69° | 6120.5 | 6151.1 | 6575.7 | 6985.7 | 7608.2 | 8043.4 | 8620.8 | 9643.9 | 10268.9 | 9665.2 | 8016.9 |
| 70° | 4818.7 | 4846.5 | 5301.7 | 5859.1 | 6911.4 | 7471.4 | 8226.6 | 9446.2 | 10095.2 | 9509.9 | 7730.3 |
| 72.5° | 2173.8 | 2134.0 | 2294.5 | 2593.1 | 3737.1 | 4626.2 | 5946.7 | 7653.3 | 8328.8 | 7618.8 | 5783.5 |
| 75° | 1518.1 | 1500.9 | 1518.1 | 1519.5 | 1697.3 | 2189.7 | 2763.0 | 4148.4 | 5130.5 | 4427.1 | 2763.0 |
| 77.5° | 1175.8 | 1163.8 | 1151.9 | 1138.6 | 1159.9 | 1299.2 | 1355.0 | 1471.8 | 1911.0 | 1807.5 | 1053.7 |
| 80° | 930.3 | 919.6 | 948.9 | 939.6 | 939.6 | 955.5 | 944.9 | 901.1 | 818.8 | 759.1 | 679.4 |
| 82.5° | 432.6 | 435.3 | 435.3 | 472.4 | 569.3 | 664.8 | 695.4 | 651.6 | 578.6 | 492.4 | 396.8 |
| 85° | 41.1 | 46.5 | 78.3 | 120.8 | 240.2 | 270.7 | 272.0 | 225.6 | 225.6 | 177.8 | 143.3 |
| 87.5° | 0.0 | 1.3 | 1.3 | 1.3 | 11.9 | 33.2 | 27.8 | 8.0 | 3.9 | 3.9 | 6.6 |
| 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: OVH-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 |
| 2.5° | 706.0 | 702.0 | 686.1 | 670.2 | 655.6 | 639.6 | 625.0 | 610.5 | 594.6 | 582.6 | 568.0 |
| 5° | 825.5 | 796.3 | 763.1 | 731.2 | 699.4 | 666.2 | 631.7 | 601.1 | 569.3 | 540.1 | 512.2 |
| 7.5° | 946.2 | 889.2 | 844.0 | 787.0 | 735.2 | 683.5 | 635.7 | 586.6 | 541.5 | 499.0 | 459.2 |
| 10° | 1048.4 | 979.4 | 909.0 | 836.1 | 761.8 | 692.7 | 626.4 | 568.0 | 508.3 | 456.5 | 407.4 |
| 12.5° | 1132.0 | 1044.4 | 958.1 | 866.6 | 783.0 | 695.4 | 613.1 | 542.8 | 472.4 | 414.1 | 363.7 |
| 15° | 1207.7 | 1106.8 | 1003.3 | 897.1 | 790.9 | 691.4 | 599.8 | 512.2 | 440.6 | 374.2 | 317.2 |
| 17.5° | 1268.7 | 1153.3 | 1036.4 | 917.0 | 802.9 | 686.1 | 582.6 | 491.1 | 407.4 | 338.4 | 282.6 |
| 20° | 1321.8 | 1201.0 | 1074.9 | 940.9 | 810.9 | 684.8 | 568.0 | 464.5 | 378.2 | 305.2 | 250.8 |
| 22.5° | 1370.9 | 1250.1 | 1114.8 | 971.4 | 822.8 | 683.5 | 554.8 | 444.6 | 353.0 | 280.0 | 225.6 |
| 25° | 1426.6 | 1299.2 | 1157.2 | 1003.3 | 844.0 | 688.7 | 546.8 | 428.7 | 330.4 | 256.1 | 205.7 |
| 27.5° | 1489.0 | 1355.0 | 1207.7 | 1043.1 | 871.9 | 699.4 | 544.1 | 411.4 | 310.5 | 233.5 | 189.8 |
| 30° | 1576.6 | 1421.3 | 1258.1 | 1082.9 | 897.1 | 711.3 | 541.5 | 400.8 | 290.6 | 216.3 | 173.9 |
| 32.5° | 1653.5 | 1486.3 | 1313.8 | 1124.0 | 925.0 | 723.3 | 540.1 | 386.1 | 272.0 | 199.1 | 161.9 |
| 35° | 1734.5 | 1546.1 | 1361.6 | 1163.8 | 948.9 | 736.5 | 538.8 | 375.6 | 254.8 | 181.8 | 150.0 |
| 37.5° | 1804.8 | 1596.5 | 1398.7 | 1198.3 | 975.4 | 748.5 | 540.1 | 366.3 | 238.9 | 167.2 | 139.3 |
| 40° | 1864.6 | 1648.3 | 1439.9 | 1230.2 | 1003.3 | 767.0 | 541.5 | 357.0 | 223.0 | 153.9 | 130.0 |
| 42.5° | 1917.7 | 1697.3 | 1483.7 | 1266.0 | 1035.1 | 788.3 | 549.4 | 349.0 | 209.7 | 142.0 | 120.8 |
| 45° | 1958.8 | 1742.5 | 1531.4 | 1316.5 | 1086.9 | 822.8 | 564.0 | 343.7 | 196.4 | 131.3 | 112.8 |
| 47.5° | 2001.2 | 1808.8 | 1612.4 | 1396.1 | 1162.5 | 877.2 | 589.2 | 342.4 | 185.8 | 123.4 | 106.1 |
| 50° | 2059.6 | 1875.1 | 1684.0 | 1477.0 | 1231.6 | 932.9 | 619.8 | 343.7 | 172.5 | 115.4 | 99.5 |
| 52.5° | 2102.1 | 1942.9 | 1777.0 | 1617.7 | 1396.1 | 1102.8 | 737.9 | 367.6 | 165.9 | 108.8 | 91.5 |
| 55° | 2352.9 | 2325.1 | 2329.0 | 2355.6 | 2184.4 | 1876.5 | 1234.2 | 530.9 | 195.0 | 123.4 | 90.2 |
| 57.5° | 3317.7 | 3415.9 | 3473.0 | 3471.7 | 3189.0 | 2644.9 | 1657.5 | 682.2 | 217.6 | 143.3 | 107.5 |
| 60° | 4586.4 | 4512.1 | 4407.2 | 4148.4 | 3772.9 | 3019.1 | 1854.0 | 733.9 | 188.5 | 114.1 | 98.2 |
| 62.5° | 5707.8 | 5272.5 | 4886.3 | 4466.9 | 3974.6 | 3149.2 | 1893.8 | 729.9 | 164.6 | 86.3 | 69.0 |
| 65° | 6407.2 | 5624.2 | 5000.4 | 4474.9 | 3895.0 | 3040.3 | 1791.6 | 670.2 | 139.3 | 70.3 | 57.1 |
| 67.5° | 6574.4 | 5434.4 | 4551.9 | 3881.7 | 3254.0 | 2366.2 | 1315.1 | 504.3 | 108.8 | 58.4 | 50.4 |
| 69° | 6209.4 | 4830.6 | 3771.6 | 3011.2 | 2367.5 | 1569.9 | 813.5 | 318.5 | 83.6 | 53.1 | 46.5 |
| 70° | 5711.8 | 4201.5 | 3072.2 | 2416.6 | 1753.1 | 1102.8 | 569.3 | 224.3 | 67.6 | 49.1 | 42.4 |
| 72.5° | 3674.7 | 2206.9 | 1510.2 | 1051.1 | 723.3 | 439.3 | 223.0 | 100.9 | 51.7 | 41.1 | 34.5 |
| 75° | 1425.3 | 816.1 | 591.9 | 449.8 | 351.7 | 244.2 | 135.4 | 65.0 | 43.8 | 34.5 | 26.5 |
| 77.5° | 702.0 | 537.4 | 439.3 | 301.3 | 175.2 | 108.8 | 73.0 | 50.4 | 35.8 | 25.2 | 17.2 |
| 80° | 554.8 | 368.9 | 220.3 | 136.7 | 103.5 | 78.3 | 55.7 | 41.1 | 26.5 | 15.9 | 11.9 |
| 82.5° | 284.0 | 155.2 | 114.1 | 92.9 | 77.0 | 61.1 | 45.1 | 29.2 | 17.2 | 10.6 | 9.3 |
| 85° | 88.9 | 65.0 | 58.4 | 57.1 | 53.1 | 43.8 | 31.9 | 18.6 | 10.6 | 6.6 | 6.6 |
| 87.5° | 6.6 | 9.3 | 11.9 | 9.3 | 10.6 | 9.3 | 11.9 | 8.0 | 5.3 | 5.3 | 3.9 |
| 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: OVH-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 | 611.8 |
| 2.5° | 557.4 | 541.5 | 526.8 | 517.6 | 500.3 | 493.7 | 487.0 | 484.4 | 472.4 | 475.1 | 464.5 |
| 5° | 487.0 | 459.2 | 437.9 | 416.7 | 396.8 | 382.2 | 370.2 | 355.7 | 343.7 | 338.4 | 327.8 |
| 7.5° | 423.3 | 387.5 | 359.6 | 337.1 | 313.2 | 294.6 | 278.7 | 268.1 | 257.4 | 246.8 | 241.5 |
| 10° | 367.6 | 329.1 | 297.2 | 274.7 | 252.2 | 236.3 | 224.3 | 216.3 | 209.7 | 205.7 | 204.4 |
| 12.5° | 315.9 | 278.7 | 249.5 | 229.6 | 212.4 | 204.4 | 199.1 | 195.0 | 193.7 | 192.4 | 192.4 |
| 15° | 276.1 | 238.9 | 216.3 | 201.7 | 193.7 | 189.8 | 188.5 | 185.8 | 183.1 | 181.8 | 181.8 |
| 17.5° | 238.9 | 211.0 | 195.0 | 187.1 | 183.1 | 180.5 | 177.8 | 175.2 | 172.5 | 171.2 | 171.2 |
| 20° | 213.7 | 191.1 | 183.1 | 177.8 | 173.9 | 171.2 | 167.2 | 164.6 | 163.2 | 161.9 | 160.6 |
| 22.5° | 193.7 | 179.1 | 173.9 | 169.8 | 164.6 | 160.6 | 157.9 | 155.2 | 152.6 | 151.3 | 150.0 |
| 25° | 179.1 | 169.8 | 165.9 | 160.6 | 155.2 | 151.3 | 147.3 | 143.3 | 140.7 | 139.3 | 136.7 |
| 27.5° | 168.5 | 161.9 | 156.6 | 150.0 | 144.6 | 140.7 | 136.7 | 132.7 | 130.0 | 127.4 | 126.1 |
| 30° | 159.3 | 152.6 | 146.0 | 140.7 | 134.1 | 130.0 | 124.8 | 120.8 | 119.4 | 116.8 | 114.1 |
| 32.5° | 150.0 | 143.3 | 136.7 | 130.0 | 123.4 | 118.1 | 115.4 | 110.2 | 107.5 | 106.1 | 103.5 |
| 35° | 139.3 | 132.7 | 124.8 | 119.4 | 112.8 | 107.5 | 103.5 | 99.5 | 96.9 | 94.2 | 92.9 |
| 37.5° | 130.0 | 122.1 | 114.1 | 107.5 | 102.2 | 96.9 | 92.9 | 88.9 | 86.3 | 83.6 | 82.3 |
| 40° | 119.4 | 111.5 | 103.5 | 96.9 | 91.5 | 87.6 | 83.6 | 79.6 | 77.0 | 75.6 | 75.6 |
| 42.5° | 110.2 | 100.9 | 92.9 | 87.6 | 83.6 | 78.3 | 74.3 | 70.3 | 69.0 | 67.6 | 69.0 |
| 45° | 100.9 | 91.5 | 85.0 | 79.6 | 75.6 | 70.3 | 66.3 | 63.7 | 62.4 | 63.7 | 65.0 |
| 47.5° | 92.9 | 83.6 | 77.0 | 73.0 | 69.0 | 65.0 | 61.1 | 58.4 | 58.4 | 61.1 | 63.7 |
| 50° | 85.0 | 75.6 | 70.3 | 67.6 | 63.7 | 59.7 | 54.4 | 53.1 | 54.4 | 57.1 | 59.7 |
| 52.5° | 77.0 | 66.3 | 62.4 | 61.1 | 57.1 | 53.1 | 49.1 | 47.8 | 49.1 | 51.7 | 50.4 |
| 55° | 69.0 | 58.4 | 57.1 | 55.7 | 51.7 | 46.5 | 42.4 | 42.4 | 42.4 | 41.1 | 38.5 |
| 57.5° | 66.3 | 51.7 | 50.4 | 49.1 | 45.1 | 39.8 | 37.2 | 34.5 | 33.2 | 29.2 | 27.8 |
| 60° | 69.0 | 46.5 | 46.5 | 43.8 | 39.8 | 34.5 | 30.5 | 26.5 | 23.9 | 21.3 | 21.3 |
| 62.5° | 55.7 | 42.4 | 41.1 | 38.5 | 33.2 | 27.8 | 23.9 | 19.9 | 18.6 | 17.2 | 17.2 |
| 65° | 45.1 | 38.5 | 35.8 | 31.9 | 27.8 | 22.6 | 18.6 | 15.9 | 14.6 | 14.6 | 15.9 |
| 67.5° | 41.1 | 34.5 | 30.5 | 26.5 | 22.6 | 17.2 | 14.6 | 13.3 | 13.3 | 14.6 | 14.6 |
| 69° | 38.5 | 31.9 | 27.8 | 23.9 | 19.9 | 15.9 | 13.3 | 13.3 | 13.3 | 13.3 | 14.6 |
| 70° | 35.8 | 30.5 | 26.5 | 22.6 | 17.2 | 13.3 | 11.9 | 11.9 | 13.3 | 13.3 | 14.6 |
| 72.5° | 27.8 | 23.9 | 22.6 | 18.6 | 13.3 | 11.9 | 10.6 | 11.9 | 11.9 | 13.3 | 13.3 |
| 75° | 21.3 | 17.2 | 17.2 | 14.6 | 10.6 | 9.3 | 9.3 | 10.6 | 10.6 | 11.9 | 11.9 |
| 77.5° | 14.6 | 11.9 | 11.9 | 10.6 | 9.3 | 8.0 | 8.0 | 9.3 | 10.6 | 10.6 | 11.9 |
| 80° | 10.6 | 9.3 | 8.0 | 9.3 | 8.0 | 6.6 | 8.0 | 9.3 | 9.3 | 10.6 | 10.6 |
| 82.5° | 8.0 | 8.0 | 8.0 | 8.0 | 6.6 | 6.6 | 8.0 | 8.0 | 9.3 | 10.6 | 10.6 |
| 85° | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 8.0 | 8.0 | 9.3 | 9.3 |
| 87.5° | 3.9 | 3.9 | 3.9 | 5.3 | 5.3 | 6.6 | 6.6 | 6.6 | 6.6 | 8.0 | 8.0 |
| 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: P164018

CATALOG NUMBER: OVH-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 611.8 | 611.8 | 611.8 | 611.8 |
| 2.5° | 461.8 | 460.5 | 455.2 | 456.5 |
| 5° | 323.8 | 315.9 | 321.1 | 319.8 |
| 7.5° | 237.6 | 236.3 | 234.9 | 237.6 |
| 10° | 203.0 | 203.0 | 201.7 | 203.0 |
| 12.5° | 191.1 | 191.1 | 191.1 | 191.1 |
| 15° | 181.8 | 181.8 | 180.5 | 180.5 |
| 17.5° | 171.2 | 171.2 | 171.2 | 169.8 |
| 20° | 160.6 | 159.3 | 159.3 | 159.3 |
| 22.5° | 148.7 | 147.3 | 147.3 | 147.3 |
| 25° | 136.7 | 135.4 | 135.4 | 135.4 |
| 27.5° | 124.8 | 123.4 | 122.1 | 122.1 |
| 30° | 112.8 | 111.5 | 110.2 | 110.2 |
| 32.5° | 100.9 | 99.5 | 98.2 | 98.2 |
| 35° | 90.2 | 90.2 | 88.9 | 87.6 |
| 37.5° | 80.9 | 80.9 | 80.9 | 80.9 |
| 40° | 74.3 | 75.6 | 75.6 | 75.6 |
| 42.5° | 70.3 | 71.7 | 73.0 | 74.3 |
| 45° | 67.6 | 70.3 | 71.7 | 71.7 |
| 47.5° | 66.3 | 67.6 | 69.0 | 69.0 |
| 50° | 61.1 | 59.7 | 59.7 | 59.7 |
| 52.5° | 49.1 | 46.5 | 45.1 | 43.8 |
| 55° | 35.8 | 34.5 | 31.9 | 31.9 |
| 57.5° | 25.2 | 25.2 | 23.9 | 23.9 |
| 60° | 19.9 | 19.9 | 18.6 | 19.9 |
| 62.5° | 17.2 | 17.2 | 17.2 | 17.2 |
| 65° | 15.9 | 15.9 | 15.9 | 15.9 |
| 67.5° | 15.9 | 15.9 | 15.9 | 15.9 |
| 69° | 14.6 | 14.6 | 14.6 | 14.6 |
| 70° | 14.6 | 14.6 | 14.6 | 14.6 |
| 72.5° | 13.3 | 13.3 | 13.3 | 13.3 |
| 75° | 11.9 | 13.3 | 13.3 | 13.3 |
| 77.5° | 11.9 | 11.9 | 11.9 | 11.9 |
| 80° | 10.6 | 10.6 | 11.9 | 11.9 |
| 82.5° | 10.6 | 10.6 | 10.6 | 10.6 |
| 85° | 9.3 | 9.3 | 10.6 | 10.6 |
| 87.5° | 8.0 | 8.0 | 9.3 | 9.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)