

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: P145940

Luminaire Tested: **OVH-E01-LED-E-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-E01-LED-E-U-SLL
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2693.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

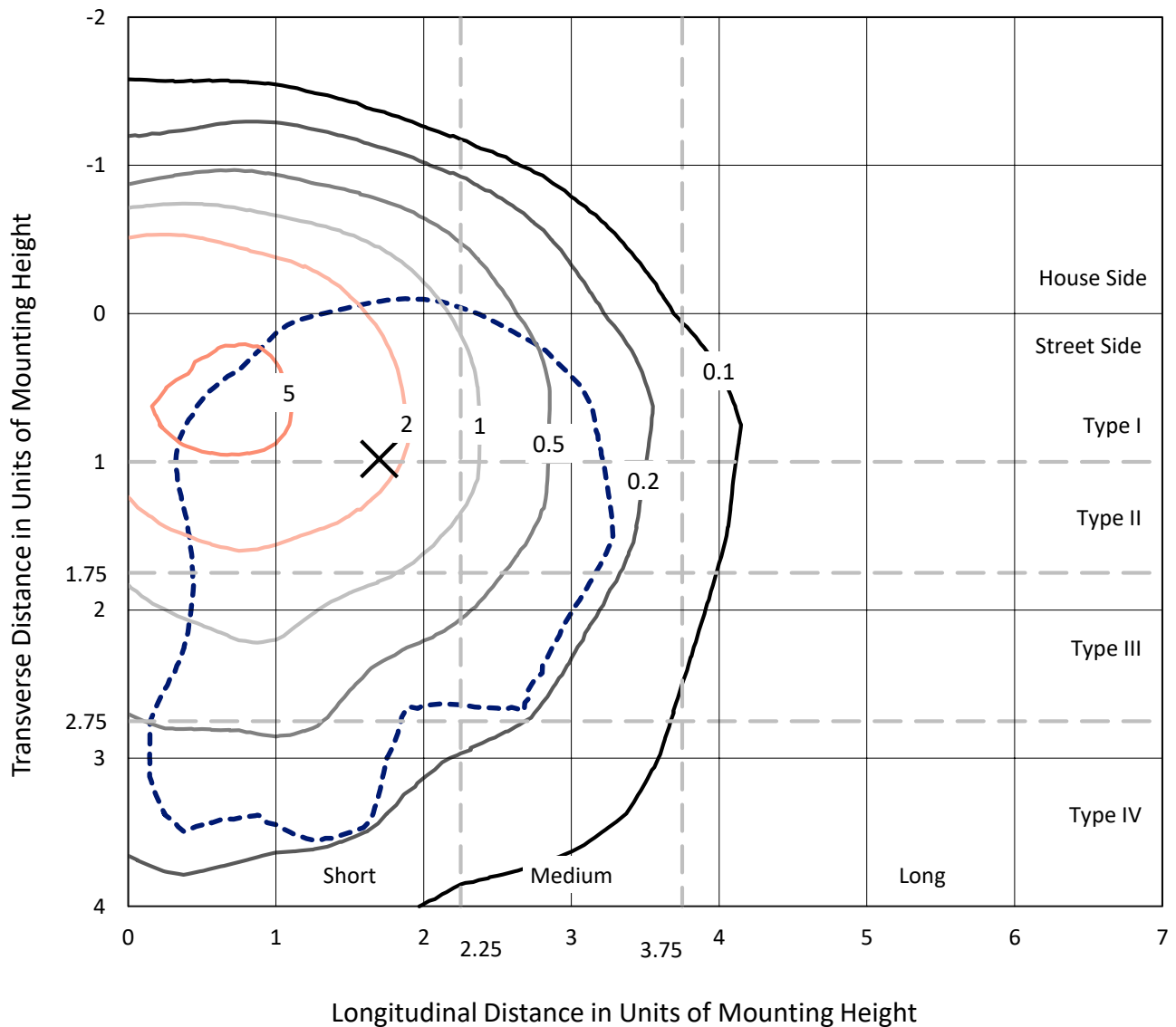
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P145940
 CATALOG NUMBER: OVH-E01-LED-E-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

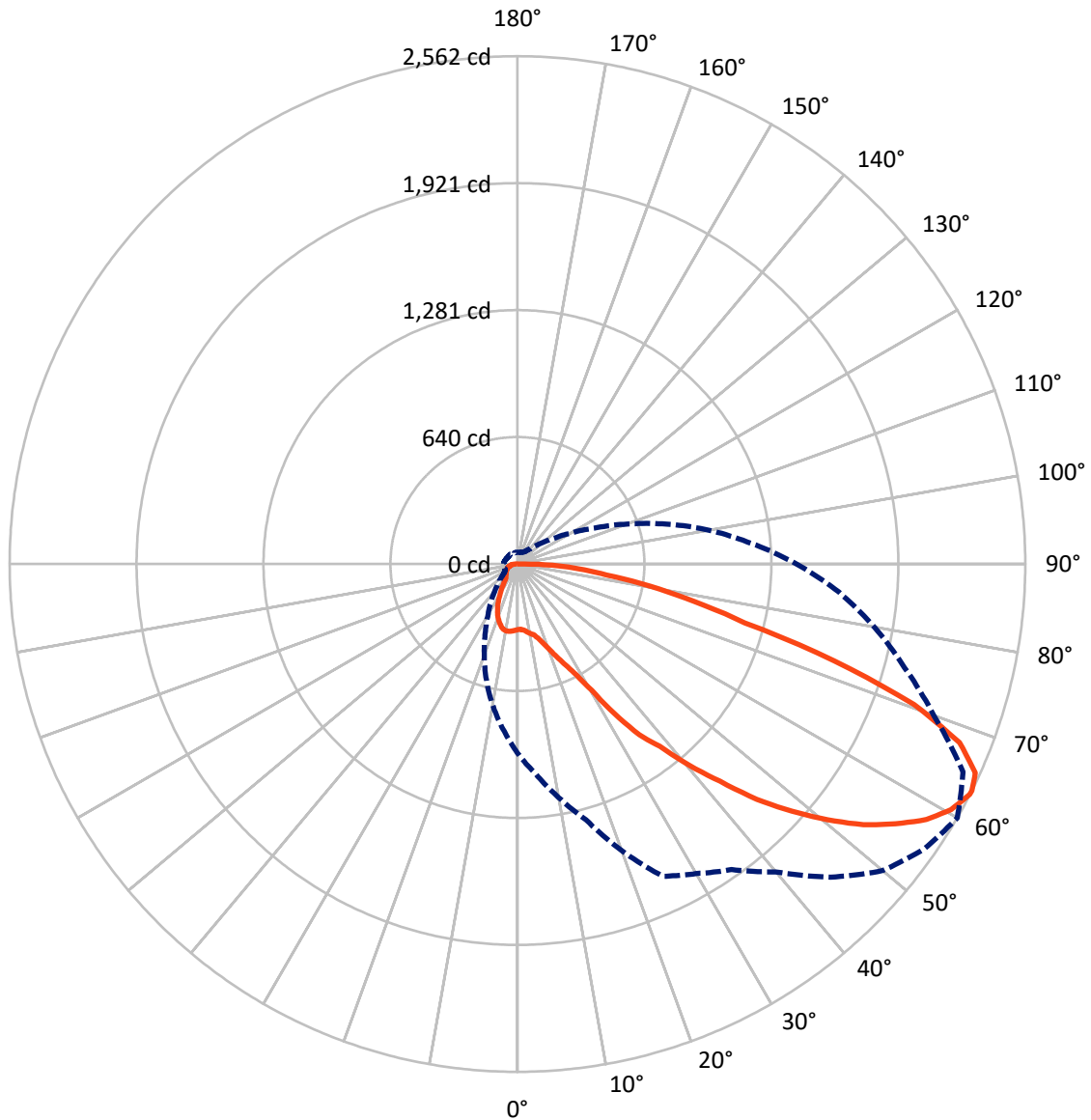


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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CATALOG NUMBER: OVH-E01-LED-E-U-SLL

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 563.8 | 0.0 | 563.8 |
| | % Fixture | 20.9 | 0.0 | 20.9 |
| Street Side | Lumens | 2129.6 | 0.0 | 2129.6 |
| | % Fixture | 79.1 | 0.0 | 79.1 |
| Total | Lumens | 2693.4 | 0.0 | 2693.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.5 | 1.2 |
| 10°-20° | 101.4 | 3.8 |
| 20°-30° | 179.3 | 6.7 |
| 30°-40° | 283.1 | 10.5 |
| 40°-50° | 416.3 | 15.5 |
| 50°-60° | 548.4 | 20.4 |
| 60°-70° | 611.2 | 22.7 |
| 70°-80° | 401.6 | 14.9 |
| 80°-90° | 119.8 | 4.4 |
| 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° | 2693.4 | 100.0 |
| 0°-180° | 2693.4 | 100.0 |

Coefficient of Utilization



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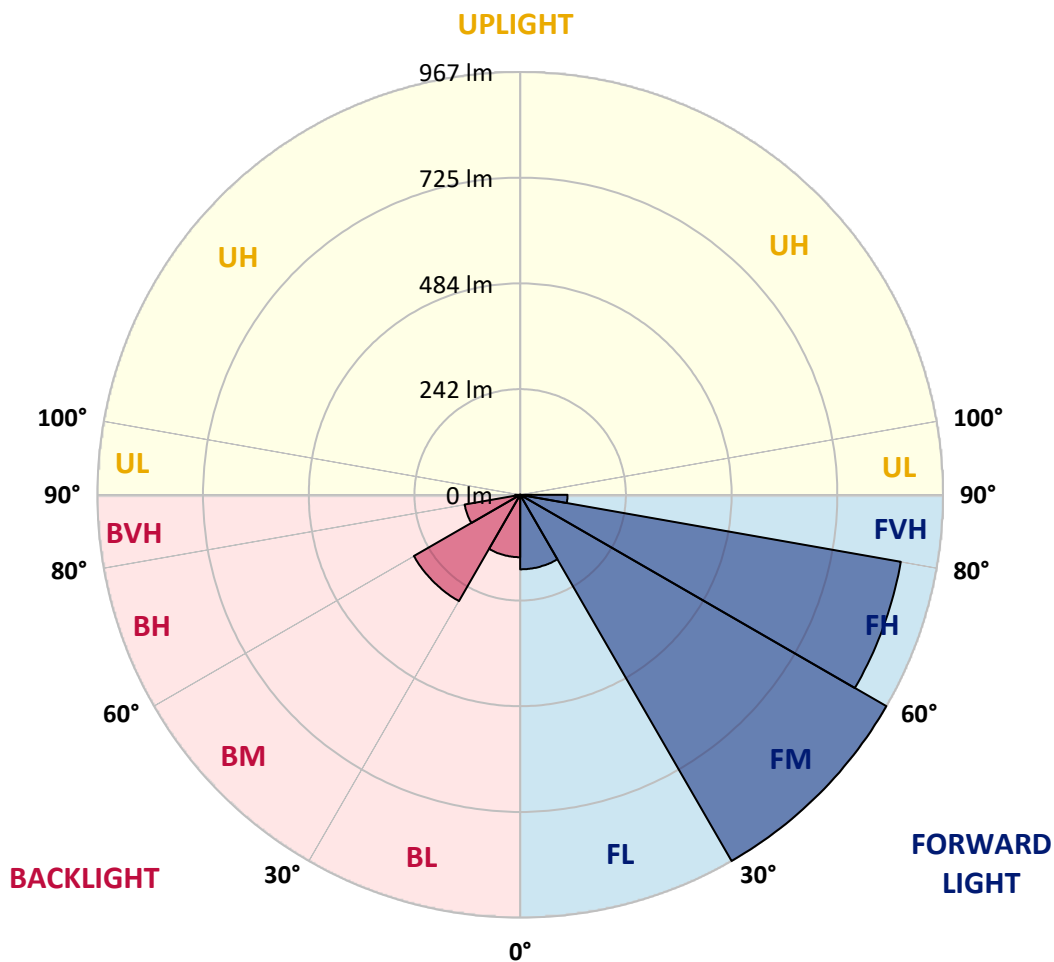
CATALOG NUMBER: OVH-E01-LED-E-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 170.5 | 6.3 | | | |
| FM | (30°-60°) | 967.0 | 35.9 | | | |
| FH | (60°-80°) | 883.9 | 32.8 | | | G1/1800 |
| FVH | (80°-90°) | 108.2 | 4.0 | | | G2/225 |
| BL | (0°-30°) | 142.7 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 280.7 | 10.4 | B1/1000 | | |
| BH | (60°-80°) | 128.9 | 4.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 11.5 | 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-G2

Type IV Short





REPORT NUMBER: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 2.5° | 330.4 | 330.6 | 330.0 | 329.8 | 329.4 | 329.6 | 329.6 | 329.2 | 329.2 | 329.4 | 328.8 |
| 5° | 328.8 | 329.2 | 329.0 | 329.4 | 329.8 | 330.4 | 331.0 | 331.6 | 332.2 | 333.0 | 333.2 |
| 7.5° | 327.0 | 328.2 | 328.4 | 329.6 | 331.0 | 332.6 | 334.6 | 336.8 | 339.8 | 340.6 | 342.4 |
| 10° | 328.0 | 330.2 | 331.4 | 333.8 | 336.0 | 339.0 | 342.6 | 344.8 | 348.6 | 350.0 | 352.6 |
| 12.5° | 335.8 | 337.4 | 339.0 | 341.8 | 345.0 | 348.8 | 352.8 | 356.2 | 360.2 | 361.6 | 362.6 |
| 15° | 350.6 | 352.2 | 354.0 | 356.8 | 360.2 | 364.8 | 370.6 | 374.8 | 379.6 | 383.2 | 385.8 |
| 17.5° | 371.2 | 371.2 | 375.4 | 376.2 | 382.8 | 389.8 | 397.0 | 405.2 | 410.2 | 413.2 | 418.0 |
| 20° | 400.8 | 400.8 | 406.4 | 409.0 | 414.6 | 423.6 | 433.4 | 442.4 | 449.6 | 455.6 | 460.0 |
| 22.5° | 452.0 | 449.8 | 454.6 | 454.0 | 460.8 | 474.2 | 483.8 | 488.8 | 498.4 | 502.0 | 507.8 |
| 25° | 511.4 | 519.2 | 524.4 | 524.4 | 527.2 | 541.0 | 549.0 | 552.8 | 561.6 | 559.0 | 565.0 |
| 27.5° | 584.2 | 605.2 | 624.6 | 632.6 | 628.8 | 644.0 | 646.8 | 650.4 | 649.4 | 643.2 | 641.4 |
| 30° | 655.8 | 692.8 | 723.0 | 741.4 | 762.6 | 792.0 | 792.0 | 796.8 | 786.4 | 769.2 | 759.0 |
| 32.5° | 705.4 | 753.0 | 799.2 | 837.4 | 873.4 | 918.4 | 937.4 | 963.8 | 968.2 | 974.8 | 952.0 |
| 35° | 746.2 | 813.0 | 862.6 | 920.0 | 964.0 | 1009.6 | 1060.2 | 1106.0 | 1136.4 | 1131.4 | 1122.4 |
| 37.5° | 774.2 | 860.0 | 929.2 | 996.6 | 1063.6 | 1115.8 | 1163.8 | 1223.6 | 1281.8 | 1293.4 | 1269.0 |
| 40° | 793.8 | 893.2 | 988.4 | 1071.2 | 1155.4 | 1233.8 | 1292.2 | 1356.4 | 1447.6 | 1486.2 | 1466.2 |
| 42.5° | 803.2 | 919.2 | 1025.4 | 1130.8 | 1237.4 | 1336.4 | 1409.6 | 1497.6 | 1605.8 | 1671.8 | 1649.8 |
| 45° | 807.2 | 935.2 | 1055.4 | 1175.4 | 1303.4 | 1425.6 | 1520.0 | 1619.8 | 1741.6 | 1847.6 | 1851.6 |
| 47.5° | 806.2 | 943.8 | 1076.0 | 1207.2 | 1355.2 | 1497.4 | 1624.0 | 1737.2 | 1875.2 | 1986.6 | 2028.0 |
| 50° | 803.4 | 946.8 | 1088.4 | 1226.4 | 1387.8 | 1550.0 | 1692.6 | 1827.2 | 1981.4 | 2122.4 | 2185.4 |
| 52.5° | 803.2 | 947.4 | 1094.6 | 1237.0 | 1407.0 | 1582.2 | 1735.6 | 1894.6 | 2063.6 | 2211.0 | 2309.2 |
| 55° | 808.0 | 951.0 | 1101.4 | 1244.4 | 1417.4 | 1600.4 | 1759.8 | 1936.8 | 2099.4 | 2266.8 | 2393.6 |
| 57.5° | 827.4 | 967.8 | 1117.6 | 1257.0 | 1429.0 | 1614.8 | 1778.6 | 1949.0 | 2110.0 | 2290.0 | 2442.6 |
| 60° | 870.0 | 999.2 | 1145.8 | 1280.2 | 1459.2 | 1652.6 | 1796.4 | 1931.8 | 2090.0 | 2283.4 | 2449.6 |
| 62.5° | 936.4 | 1049.6 | 1185.2 | 1323.0 | 1520.6 | 1724.4 | 1803.8 | 1892.4 | 2040.6 | 2245.4 | 2419.4 |
| 63° | 953.4 | 1063.0 | 1195.6 | 1334.8 | 1538.4 | 1738.0 | 1803.2 | 1882.0 | 2027.0 | 2234.2 | 2405.8 |
| 65° | 1024.4 | 1125.0 | 1244.0 | 1391.2 | 1619.4 | 1781.2 | 1781.4 | 1820.8 | 1957.6 | 2172.4 | 2350.0 |
| 67.5° | 1131.2 | 1227.2 | 1319.2 | 1465.6 | 1709.0 | 1802.8 | 1716.8 | 1687.0 | 1808.0 | 2041.6 | 2208.4 |
| 70° | 1202.4 | 1321.0 | 1372.6 | 1485.2 | 1721.2 | 1776.6 | 1614.6 | 1515.2 | 1615.6 | 1810.8 | 1959.0 |
| 72.5° | 1204.2 | 1339.4 | 1354.4 | 1401.6 | 1607.0 | 1651.4 | 1438.6 | 1304.0 | 1364.4 | 1528.2 | 1606.2 |
| 75° | 1075.6 | 1245.6 | 1214.8 | 1197.4 | 1308.6 | 1327.6 | 1163.6 | 1107.6 | 1185.0 | 1281.8 | 1242.8 |
| 77.5° | 799.6 | 1025.6 | 963.0 | 889.0 | 929.4 | 932.2 | 937.4 | 1043.0 | 1138.0 | 1177.6 | 1120.8 |
| 80° | 496.2 | 753.4 | 705.4 | 583.4 | 599.0 | 645.0 | 783.0 | 969.6 | 1073.6 | 1102.0 | 988.4 |
| 82.5° | 299.2 | 554.2 | 528.6 | 445.2 | 464.8 | 579.4 | 732.0 | 783.6 | 818.6 | 816.0 | 698.6 |
| 85° | 219.2 | 376.4 | 411.2 | 417.4 | 487.0 | 562.6 | 559.4 | 521.2 | 499.8 | 439.8 | 375.4 |
| 87.5° | 69.0 | 194.2 | 230.4 | 268.6 | 294.2 | 278.4 | 273.8 | 236.6 | 169.4 | 143.2 | 157.4 |
| 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: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 2.5° | 328.8 | 329.6 | 330.0 | 329.8 | 330.0 | 330.0 | 331.2 | 330.8 | 331.2 | 331.0 | 332.2 |
| 5° | 333.8 | 335.0 | 336.0 | 336.0 | 336.2 | 336.6 | 338.2 | 338.2 | 339.0 | 340.6 | 341.4 |
| 7.5° | 343.6 | 345.2 | 345.4 | 345.8 | 347.0 | 346.4 | 347.4 | 347.8 | 348.4 | 349.2 | 350.2 |
| 10° | 353.8 | 356.0 | 356.0 | 355.8 | 356.0 | 354.4 | 355.0 | 353.8 | 354.0 | 355.2 | 356.4 |
| 12.5° | 365.2 | 366.4 | 365.6 | 365.0 | 365.0 | 362.0 | 361.6 | 360.0 | 359.2 | 359.4 | 359.8 |
| 15° | 388.0 | 387.0 | 386.8 | 385.8 | 382.2 | 380.0 | 378.4 | 373.4 | 370.8 | 369.4 | 367.0 |
| 17.5° | 418.4 | 419.0 | 418.0 | 417.0 | 411.8 | 404.4 | 401.2 | 395.8 | 392.2 | 388.6 | 384.2 |
| 20° | 462.8 | 458.8 | 458.4 | 455.2 | 448.0 | 437.6 | 429.8 | 421.0 | 416.0 | 410.8 | 406.2 |
| 22.5° | 511.8 | 507.6 | 504.8 | 498.6 | 488.0 | 474.8 | 461.8 | 450.6 | 443.0 | 439.2 | 436.0 |
| 25° | 566.2 | 563.8 | 559.2 | 543.4 | 535.0 | 519.8 | 505.6 | 494.6 | 486.0 | 482.8 | 477.2 |
| 27.5° | 631.4 | 633.2 | 624.6 | 609.8 | 599.2 | 577.8 | 565.6 | 546.6 | 539.4 | 527.8 | 520.6 |
| 30° | 750.2 | 738.6 | 724.0 | 701.4 | 680.0 | 651.2 | 631.0 | 611.2 | 600.6 | 585.0 | 565.8 |
| 32.5° | 944.4 | 900.2 | 861.0 | 813.0 | 767.6 | 730.8 | 701.6 | 676.6 | 660.4 | 634.6 | 602.0 |
| 35° | 1101.0 | 1058.4 | 993.6 | 923.8 | 864.2 | 817.0 | 780.2 | 756.6 | 724.2 | 683.0 | 635.8 |
| 37.5° | 1215.8 | 1166.8 | 1106.2 | 1052.8 | 987.8 | 935.2 | 885.4 | 836.4 | 790.8 | 728.4 | 668.2 |
| 40° | 1402.2 | 1335.8 | 1236.0 | 1173.0 | 1119.8 | 1048.6 | 1002.0 | 936.0 | 866.6 | 786.2 | 699.0 |
| 42.5° | 1586.6 | 1498.6 | 1408.2 | 1335.8 | 1260.2 | 1183.0 | 1119.0 | 1030.4 | 938.2 | 834.0 | 726.6 |
| 45° | 1800.8 | 1693.0 | 1574.8 | 1473.6 | 1396.0 | 1305.2 | 1223.2 | 1114.4 | 996.8 | 873.2 | 750.6 |
| 47.5° | 1969.6 | 1862.8 | 1729.4 | 1627.4 | 1522.8 | 1420.4 | 1314.0 | 1179.8 | 1040.4 | 905.2 | 773.0 |
| 50° | 2131.4 | 2028.4 | 1886.6 | 1761.4 | 1641.2 | 1517.6 | 1389.0 | 1226.2 | 1074.6 | 930.2 | 790.8 |
| 52.5° | 2276.6 | 2185.0 | 2031.8 | 1882.2 | 1747.8 | 1605.4 | 1446.0 | 1269.6 | 1107.4 | 956.0 | 804.8 |
| 55° | 2399.6 | 2313.8 | 2176.4 | 1990.2 | 1837.6 | 1680.0 | 1499.8 | 1309.2 | 1142.0 | 983.0 | 815.0 |
| 57.5° | 2482.2 | 2432.6 | 2285.8 | 2085.2 | 1911.4 | 1743.6 | 1540.4 | 1349.0 | 1174.4 | 999.8 | 819.4 |
| 60° | 2520.6 | 2514.0 | 2389.8 | 2171.0 | 1977.0 | 1793.2 | 1591.6 | 1391.2 | 1195.8 | 1007.4 | 813.2 |
| 62.5° | 2512.6 | 2559.8 | 2469.0 | 2229.8 | 2018.8 | 1824.2 | 1624.4 | 1409.4 | 1190.4 | 989.0 | 785.8 |
| 63° | 2505.2 | 2561.8 | 2480.2 | 2235.6 | 2022.2 | 1827.2 | 1627.6 | 1407.2 | 1185.4 | 980.8 | 776.4 |
| 65° | 2451.0 | 2538.2 | 2483.0 | 2225.2 | 2006.6 | 1818.6 | 1613.2 | 1372.6 | 1135.6 | 929.2 | 723.2 |
| 67.5° | 2318.2 | 2405.6 | 2375.0 | 2110.6 | 1905.6 | 1726.2 | 1512.6 | 1254.8 | 1013.6 | 819.6 | 624.6 |
| 70° | 2044.0 | 2122.2 | 2085.6 | 1853.0 | 1662.6 | 1535.4 | 1332.4 | 1043.6 | 825.8 | 658.8 | 475.4 |
| 72.5° | 1616.8 | 1671.8 | 1679.8 | 1495.0 | 1349.2 | 1272.8 | 1073.4 | 787.2 | 603.2 | 458.8 | 308.6 |
| 75° | 1197.2 | 1184.4 | 1187.0 | 1083.8 | 1024.4 | 992.2 | 802.4 | 540.0 | 406.4 | 280.4 | 183.0 |
| 77.5° | 1006.2 | 914.2 | 835.8 | 807.2 | 738.0 | 718.0 | 529.2 | 331.4 | 237.2 | 167.8 | 104.2 |
| 80° | 818.2 | 678.8 | 564.8 | 514.2 | 487.2 | 491.2 | 292.8 | 176.6 | 124.2 | 91.4 | 65.2 |
| 82.5° | 559.4 | 453.4 | 357.6 | 310.6 | 305.8 | 310.4 | 152.2 | 86.6 | 65.6 | 52.6 | 41.0 |
| 85° | 330.8 | 311.4 | 278.0 | 246.8 | 236.0 | 222.8 | 113.2 | 62.0 | 33.8 | 28.0 | 23.0 |
| 87.5° | 143.0 | 175.6 | 179.8 | 179.0 | 166.6 | 133.8 | 41.6 | 16.0 | 14.2 | 7.2 | 5.8 |
| 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: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 2.5° | 332.2 | 332.4 | 332.0 | 332.4 | 333.8 | 333.8 | 333.6 | 334.0 | 334.2 | 335.4 | 335.0 |
| 5° | 342.2 | 342.4 | 342.6 | 344.0 | 345.0 | 346.2 | 345.8 | 346.2 | 347.0 | 347.2 | 347.6 |
| 7.5° | 351.4 | 352.6 | 354.2 | 354.8 | 356.6 | 357.0 | 358.8 | 359.0 | 359.4 | 358.6 | 357.8 |
| 10° | 357.8 | 359.0 | 361.0 | 362.0 | 365.2 | 365.6 | 367.0 | 367.4 | 368.2 | 367.6 | 367.0 |
| 12.5° | 361.0 | 362.0 | 364.2 | 366.2 | 370.6 | 372.0 | 374.4 | 375.8 | 376.8 | 376.2 | 374.2 |
| 15° | 367.6 | 367.4 | 368.6 | 370.2 | 374.2 | 376.8 | 380.2 | 382.0 | 383.2 | 382.2 | 379.6 |
| 17.5° | 382.8 | 380.0 | 380.0 | 379.0 | 382.0 | 382.6 | 384.0 | 385.0 | 384.6 | 381.6 | 377.4 |
| 20° | 403.8 | 399.6 | 397.0 | 394.6 | 393.6 | 388.6 | 386.0 | 382.4 | 379.2 | 373.8 | 369.0 |
| 22.5° | 431.0 | 428.0 | 422.0 | 416.6 | 409.0 | 398.8 | 387.8 | 378.4 | 371.4 | 364.0 | 355.8 |
| 25° | 472.2 | 465.4 | 456.8 | 444.0 | 434.2 | 416.2 | 397.8 | 380.0 | 365.0 | 353.4 | 339.6 |
| 27.5° | 511.0 | 496.6 | 480.4 | 460.4 | 442.4 | 418.4 | 395.0 | 374.4 | 354.8 | 336.2 | 320.4 |
| 30° | 543.4 | 518.4 | 492.0 | 464.0 | 438.4 | 409.4 | 382.2 | 358.8 | 336.6 | 314.6 | 299.6 |
| 32.5° | 567.8 | 531.8 | 496.6 | 460.8 | 429.2 | 395.2 | 364.0 | 339.0 | 313.8 | 290.6 | 273.2 |
| 35° | 589.8 | 541.2 | 495.2 | 452.2 | 414.8 | 377.2 | 343.6 | 315.6 | 288.0 | 263.2 | 243.2 |
| 37.5° | 605.6 | 544.4 | 489.2 | 439.8 | 396.4 | 355.2 | 318.8 | 289.0 | 259.4 | 234.2 | 212.2 |
| 40° | 617.8 | 542.8 | 477.8 | 420.8 | 371.2 | 328.4 | 292.8 | 261.6 | 232.0 | 206.8 | 183.8 |
| 42.5° | 626.0 | 536.8 | 460.6 | 399.2 | 350.2 | 305.4 | 270.6 | 237.8 | 208.2 | 181.8 | 156.4 |
| 45° | 636.6 | 534.4 | 450.0 | 383.0 | 331.2 | 286.0 | 248.8 | 216.8 | 186.0 | 158.4 | 134.2 |
| 47.5° | 646.6 | 533.0 | 441.4 | 369.6 | 314.0 | 268.4 | 231.6 | 198.0 | 167.0 | 140.0 | 118.0 |
| 50° | 652.6 | 530.8 | 432.4 | 353.4 | 294.8 | 250.4 | 215.2 | 181.2 | 150.0 | 124.2 | 104.6 |
| 52.5° | 654.4 | 526.4 | 420.6 | 335.0 | 278.2 | 235.0 | 198.4 | 164.4 | 134.4 | 111.2 | 93.0 |
| 55° | 653.0 | 517.8 | 404.6 | 320.0 | 261.2 | 218.0 | 181.4 | 148.4 | 121.2 | 99.4 | 84.8 |
| 57.5° | 646.2 | 500.6 | 384.0 | 301.0 | 241.8 | 196.6 | 160.6 | 130.4 | 106.2 | 88.8 | 77.6 |
| 60° | 631.0 | 475.8 | 358.8 | 274.4 | 214.0 | 171.2 | 137.2 | 111.2 | 90.8 | 78.2 | 70.8 |
| 62.5° | 597.8 | 440.0 | 322.2 | 236.8 | 176.8 | 137.4 | 107.8 | 88.6 | 74.8 | 68.2 | 63.8 |
| 63° | 588.0 | 427.6 | 311.4 | 226.8 | 170.4 | 129.8 | 101.2 | 83.8 | 71.4 | 66.0 | 62.4 |
| 65° | 536.4 | 370.4 | 263.2 | 182.4 | 132.0 | 98.4 | 77.2 | 65.8 | 59.2 | 57.2 | 56.2 |
| 67.5° | 439.6 | 288.2 | 185.2 | 122.4 | 88.6 | 68.0 | 57.0 | 52.6 | 50.2 | 50.0 | 50.6 |
| 70° | 310.6 | 191.2 | 114.6 | 78.4 | 61.0 | 51.4 | 47.2 | 45.2 | 44.0 | 44.4 | 45.6 |
| 72.5° | 202.0 | 112.2 | 72.4 | 57.4 | 49.6 | 45.2 | 42.2 | 41.6 | 41.2 | 40.8 | 41.2 |
| 75° | 106.8 | 70.2 | 54.8 | 48.0 | 43.4 | 39.8 | 37.8 | 37.0 | 37.2 | 37.2 | 37.2 |
| 77.5° | 66.2 | 53.4 | 46.8 | 42.4 | 38.8 | 35.2 | 33.2 | 32.6 | 32.8 | 33.2 | 33.4 |
| 80° | 50.8 | 46.6 | 41.2 | 38.0 | 32.8 | 29.8 | 28.8 | 28.6 | 29.0 | 29.0 | 29.6 |
| 82.5° | 37.2 | 36.0 | 34.0 | 30.0 | 26.0 | 24.0 | 23.8 | 24.6 | 23.8 | 23.6 | 24.0 |
| 85° | 21.8 | 20.4 | 22.2 | 19.0 | 17.4 | 16.2 | 17.0 | 18.6 | 19.4 | 18.4 | 18.0 |
| 87.5° | 7.0 | 4.8 | 7.0 | 7.8 | 7.0 | 6.0 | 7.6 | 9.0 | 9.2 | 8.8 | 10.0 |
| 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: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 2.5° | 334.8 | 336.2 | 334.8 | 335.4 | 335.2 | 334.8 | 335.4 | 334.6 | 334.2 | 335.4 | 335.2 |
| 5° | 347.4 | 347.6 | 345.8 | 346.0 | 345.8 | 344.2 | 344.2 | 343.4 | 342.4 | 342.6 | 342.2 |
| 7.5° | 357.6 | 357.2 | 355.8 | 355.2 | 353.4 | 352.2 | 351.4 | 350.2 | 349.4 | 348.6 | 348.2 |
| 10° | 365.4 | 364.4 | 363.4 | 361.6 | 359.8 | 358.8 | 356.6 | 354.8 | 354.2 | 353.0 | 352.2 |
| 12.5° | 372.2 | 370.4 | 368.8 | 366.6 | 364.4 | 362.8 | 360.2 | 358.8 | 357.8 | 356.2 | 355.0 |
| 15° | 376.0 | 372.6 | 369.6 | 366.2 | 363.8 | 361.4 | 358.4 | 357.8 | 356.4 | 354.8 | 352.6 |
| 17.5° | 371.4 | 366.6 | 361.0 | 357.4 | 353.8 | 350.2 | 347.2 | 347.2 | 346.6 | 344.8 | 341.0 |
| 20° | 362.0 | 354.8 | 348.2 | 342.4 | 338.8 | 333.6 | 331.8 | 329.0 | 327.0 | 323.8 | 319.0 |
| 22.5° | 346.6 | 339.0 | 330.4 | 324.6 | 318.4 | 312.6 | 309.0 | 304.6 | 303.0 | 297.8 | 291.4 |
| 25° | 329.4 | 318.4 | 309.2 | 301.6 | 293.0 | 286.2 | 281.2 | 275.2 | 271.2 | 266.2 | 258.2 |
| 27.5° | 309.0 | 297.6 | 287.2 | 278.8 | 269.8 | 260.4 | 251.2 | 244.2 | 237.0 | 231.2 | 226.6 |
| 30° | 287.0 | 275.2 | 262.4 | 252.6 | 242.2 | 230.4 | 222.8 | 213.4 | 207.8 | 201.4 | 195.4 |
| 32.5° | 258.2 | 247.8 | 232.8 | 221.4 | 208.6 | 199.4 | 193.2 | 184.2 | 177.6 | 172.2 | 168.8 |
| 35° | 226.6 | 211.0 | 196.0 | 187.4 | 178.6 | 171.2 | 162.6 | 155.6 | 151.2 | 145.6 | 142.6 |
| 37.5° | 192.2 | 174.0 | 161.2 | 153.6 | 144.6 | 141.0 | 135.6 | 131.4 | 127.4 | 123.6 | 121.2 |
| 40° | 161.4 | 144.6 | 133.0 | 126.6 | 120.6 | 116.6 | 113.2 | 111.4 | 108.8 | 105.8 | 104.0 |
| 42.5° | 135.8 | 122.4 | 111.0 | 105.0 | 100.4 | 100.0 | 97.8 | 96.4 | 95.4 | 93.6 | 90.8 |
| 45° | 115.8 | 103.6 | 93.8 | 89.0 | 87.0 | 87.2 | 87.2 | 86.0 | 86.0 | 85.4 | 83.6 |
| 47.5° | 102.4 | 91.4 | 84.2 | 81.0 | 80.2 | 80.4 | 79.8 | 79.4 | 79.6 | 79.4 | 78.4 |
| 50° | 92.0 | 82.6 | 76.6 | 75.4 | 75.2 | 75.0 | 74.2 | 73.6 | 73.4 | 73.8 | 73.6 |
| 52.5° | 81.4 | 73.6 | 70.2 | 69.8 | 70.0 | 70.0 | 69.8 | 69.6 | 70.0 | 70.4 | 69.8 |
| 55° | 75.4 | 69.8 | 67.6 | 67.6 | 67.6 | 67.6 | 67.4 | 67.2 | 67.8 | 68.4 | 67.4 |
| 57.5° | 69.8 | 65.8 | 65.0 | 65.0 | 65.0 | 64.6 | 64.6 | 64.8 | 65.6 | 66.8 | 65.6 |
| 60° | 65.6 | 63.6 | 63.6 | 63.8 | 63.6 | 62.8 | 62.2 | 62.2 | 63.2 | 64.8 | 63.8 |
| 62.5° | 61.6 | 60.6 | 61.0 | 60.8 | 60.4 | 59.4 | 58.6 | 58.6 | 59.8 | 61.4 | 61.8 |
| 63° | 60.6 | 59.8 | 60.2 | 60.0 | 59.6 | 58.8 | 58.0 | 58.0 | 59.0 | 60.6 | 61.2 |
| 65° | 56.2 | 56.4 | 56.6 | 56.8 | 56.6 | 56.4 | 55.4 | 55.0 | 55.8 | 57.0 | 57.8 |
| 67.5° | 51.0 | 51.4 | 51.8 | 52.8 | 52.4 | 52.4 | 51.8 | 51.4 | 51.6 | 52.2 | 52.8 |
| 70° | 46.2 | 46.6 | 47.2 | 47.6 | 47.8 | 48.0 | 47.6 | 47.0 | 47.2 | 47.4 | 47.8 |
| 72.5° | 41.6 | 42.0 | 42.4 | 43.2 | 43.2 | 43.2 | 42.8 | 42.4 | 42.6 | 43.0 | 43.4 |
| 75° | 37.4 | 37.6 | 38.0 | 38.6 | 38.8 | 38.4 | 38.4 | 38.0 | 38.2 | 38.8 | 39.2 |
| 77.5° | 33.2 | 32.8 | 33.0 | 33.4 | 34.0 | 34.0 | 34.2 | 34.0 | 34.4 | 34.8 | 35.2 |
| 80° | 28.4 | 28.0 | 27.6 | 27.8 | 28.6 | 29.6 | 30.6 | 30.6 | 31.2 | 31.4 | 32.0 |
| 82.5° | 22.6 | 22.2 | 22.0 | 22.6 | 22.4 | 23.8 | 26.0 | 27.2 | 28.0 | 28.8 | 29.2 |
| 85° | 17.6 | 16.6 | 17.0 | 17.0 | 16.6 | 18.8 | 20.8 | 22.4 | 22.6 | 23.8 | 24.0 |
| 87.5° | 10.4 | 10.0 | 9.6 | 9.2 | 10.6 | 12.8 | 14.6 | 15.2 | 15.6 | 16.2 | 16.8 |
| 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: P145940

CATALOG NUMBER: OVH-E01-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 2.5° | 333.6 | 335.2 | 334.8 | 334.6 | 334.8 | 334.6 | 334.0 | 334.2 | 333.8 | 334.0 | 333.6 |
| 5° | 340.0 | 340.8 | 340.2 | 339.2 | 339.2 | 337.8 | 336.8 | 336.0 | 335.0 | 334.6 | 333.8 |
| 7.5° | 346.2 | 345.6 | 344.8 | 343.0 | 342.0 | 340.2 | 338.8 | 337.2 | 336.2 | 335.0 | 333.6 |
| 10° | 350.0 | 348.8 | 347.2 | 345.0 | 342.2 | 340.6 | 338.6 | 336.2 | 335.0 | 334.4 | 333.0 |
| 12.5° | 351.8 | 348.6 | 346.0 | 342.0 | 338.0 | 335.0 | 332.8 | 330.4 | 329.8 | 329.0 | 328.0 |
| 15° | 347.6 | 343.0 | 336.4 | 331.0 | 325.8 | 321.6 | 319.8 | 317.2 | 316.6 | 316.4 | 316.2 |
| 17.5° | 333.4 | 326.4 | 320.0 | 312.8 | 308.2 | 304.4 | 302.8 | 302.2 | 301.2 | 300.8 | 301.0 |
| 20° | 310.6 | 304.6 | 298.2 | 295.8 | 290.4 | 289.4 | 287.0 | 285.4 | 283.6 | 283.0 | 282.0 |
| 22.5° | 284.0 | 276.6 | 272.6 | 270.8 | 268.6 | 263.4 | 262.2 | 260.6 | 258.2 | 256.4 | 256.0 |
| 25° | 253.0 | 247.0 | 246.8 | 242.6 | 240.8 | 238.0 | 234.8 | 232.8 | 231.4 | 229.2 | 227.6 |
| 27.5° | 221.4 | 219.2 | 215.4 | 212.2 | 211.0 | 209.4 | 204.6 | 203.6 | 202.0 | 200.2 | 198.4 |
| 30° | 192.0 | 190.4 | 186.8 | 183.8 | 182.0 | 178.8 | 174.2 | 174.6 | 171.4 | 169.0 | 167.4 |
| 32.5° | 163.4 | 162.2 | 158.8 | 158.0 | 152.2 | 150.6 | 145.8 | 142.2 | 139.0 | 136.6 | 134.6 |
| 35° | 137.6 | 134.4 | 134.6 | 131.0 | 127.8 | 123.0 | 118.0 | 113.4 | 110.8 | 109.6 | 107.8 |
| 37.5° | 119.0 | 116.0 | 113.0 | 109.0 | 105.4 | 102.0 | 99.0 | 97.6 | 96.0 | 96.4 | 96.6 |
| 40° | 102.2 | 100.0 | 97.8 | 95.0 | 92.8 | 91.4 | 90.6 | 90.6 | 90.8 | 91.8 | 92.6 |
| 42.5° | 90.2 | 88.4 | 87.2 | 86.2 | 86.6 | 86.6 | 87.2 | 88.2 | 89.2 | 90.6 | 91.4 |
| 45° | 82.2 | 81.2 | 80.8 | 81.2 | 82.4 | 83.4 | 84.8 | 86.4 | 88.0 | 89.4 | 90.0 |
| 47.5° | 77.4 | 76.8 | 76.8 | 77.8 | 79.6 | 81.2 | 83.4 | 85.0 | 86.8 | 88.0 | 88.4 |
| 50° | 72.2 | 72.0 | 72.0 | 72.8 | 74.4 | 76.4 | 78.6 | 80.2 | 81.8 | 82.8 | 83.2 |
| 52.5° | 69.2 | 68.6 | 68.4 | 69.4 | 70.8 | 72.8 | 75.0 | 76.6 | 77.8 | 78.6 | 78.8 |
| 55° | 66.6 | 66.0 | 65.6 | 66.8 | 68.4 | 70.2 | 72.8 | 74.6 | 75.8 | 76.8 | 77.6 |
| 57.5° | 64.4 | 63.8 | 63.4 | 64.8 | 66.4 | 68.6 | 70.8 | 72.8 | 74.4 | 75.6 | 76.4 |
| 60° | 62.6 | 61.8 | 61.4 | 63.0 | 64.6 | 66.8 | 69.0 | 71.2 | 73.4 | 74.8 | 75.2 |
| 62.5° | 60.4 | 59.8 | 59.2 | 60.2 | 61.0 | 62.6 | 64.6 | 66.8 | 68.8 | 70.2 | 70.2 |
| 63° | 59.8 | 59.6 | 58.8 | 59.6 | 60.4 | 61.8 | 63.8 | 65.8 | 67.8 | 69.4 | 69.2 |
| 65° | 57.2 | 57.2 | 56.8 | 57.6 | 58.4 | 59.8 | 61.4 | 63.6 | 65.4 | 66.6 | 66.8 |
| 67.5° | 53.0 | 53.2 | 53.6 | 54.4 | 56.0 | 57.4 | 59.2 | 61.2 | 62.8 | 63.6 | 64.0 |
| 70° | 48.2 | 48.6 | 49.4 | 50.6 | 52.0 | 53.2 | 54.4 | 56.4 | 57.8 | 58.6 | 59.0 |
| 72.5° | 43.6 | 44.6 | 45.2 | 46.2 | 47.0 | 48.2 | 49.2 | 51.2 | 52.4 | 53.0 | 54.0 |
| 75° | 39.4 | 40.2 | 40.6 | 41.2 | 42.0 | 42.4 | 43.6 | 44.4 | 46.0 | 46.8 | 48.0 |
| 77.5° | 35.4 | 35.8 | 36.4 | 37.4 | 37.6 | 38.2 | 38.6 | 39.8 | 40.6 | 41.4 | 42.4 |
| 80° | 31.8 | 32.2 | 33.0 | 33.6 | 33.8 | 34.2 | 34.4 | 34.2 | 34.0 | 33.4 | 34.2 |
| 82.5° | 28.6 | 29.0 | 30.0 | 30.6 | 31.2 | 31.2 | 31.0 | 28.8 | 27.8 | 28.2 | 28.8 |
| 85° | 23.6 | 24.0 | 25.0 | 26.2 | 26.4 | 26.2 | 26.4 | 24.2 | 22.8 | 22.2 | 22.8 |
| 87.5° | 14.8 | 14.4 | 17.8 | 19.4 | 18.2 | 18.6 | 18.8 | 17.6 | 16.4 | 14.0 | 14.6 |
| 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: P145940
 CATALOG NUMBER: OVH-E01-LED-E-U-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 0° |
| 2.5° | 334.0 | 332.6 | 332.8 | 333.2 | 333.2 | 333.8 | 333.0 | 332.0 | 332.6 | 331.6 | 331.4 | 2.5° |
| 5° | 333.8 | 332.0 | 332.0 | 332.4 | 332.0 | 332.4 | 331.8 | 330.8 | 331.4 | 330.2 | 330.0 | 5° |
| 7.5° | 333.0 | 332.0 | 332.4 | 332.8 | 332.2 | 332.4 | 332.2 | 330.8 | 331.0 | 330.4 | 329.0 | 7.5° |
| 10° | 332.6 | 332.0 | 332.8 | 334.0 | 334.0 | 334.2 | 333.6 | 332.0 | 331.0 | 330.4 | 329.2 | 10° |
| 12.5° | 328.4 | 329.2 | 330.8 | 333.6 | 334.6 | 336.2 | 337.0 | 336.2 | 336.6 | 335.8 | 335.4 | 12.5° |
| 15° | 316.4 | 318.4 | 321.0 | 325.2 | 328.2 | 331.8 | 336.2 | 338.2 | 342.0 | 345.0 | 347.0 | 15° |
| 17.5° | 302.0 | 303.4 | 306.2 | 311.0 | 314.8 | 322.0 | 328.0 | 334.8 | 342.2 | 350.2 | 357.2 | 17.5° |
| 20° | 284.2 | 283.2 | 287.6 | 292.8 | 299.4 | 307.4 | 316.2 | 326.4 | 338.6 | 351.4 | 363.6 | 20° |
| 22.5° | 258.0 | 258.0 | 262.6 | 268.8 | 276.8 | 286.0 | 298.2 | 309.2 | 325.2 | 343.8 | 361.8 | 22.5° |
| 25° | 228.0 | 228.6 | 231.8 | 238.8 | 244.4 | 257.6 | 269.0 | 283.2 | 302.4 | 322.8 | 346.8 | 25° |
| 27.5° | 196.0 | 200.0 | 199.2 | 206.6 | 214.0 | 227.0 | 242.6 | 257.0 | 278.4 | 300.2 | 327.6 | 27.5° |
| 30° | 167.0 | 166.4 | 166.2 | 175.0 | 182.4 | 194.2 | 207.0 | 225.2 | 246.8 | 274.8 | 306.4 | 30° |
| 32.5° | 131.0 | 133.2 | 134.8 | 140.0 | 148.0 | 159.0 | 172.8 | 191.8 | 217.8 | 246.0 | 281.6 | 32.5° |
| 35° | 108.2 | 108.8 | 111.0 | 114.0 | 121.0 | 130.2 | 144.6 | 161.4 | 184.2 | 213.4 | 251.2 | 35° |
| 37.5° | 97.0 | 97.6 | 100.0 | 102.8 | 107.8 | 114.6 | 124.4 | 137.4 | 158.4 | 185.6 | 220.8 | 37.5° |
| 40° | 93.4 | 94.0 | 95.4 | 98.0 | 102.6 | 108.4 | 116.2 | 126.2 | 141.4 | 162.6 | 193.4 | 40° |
| 42.5° | 91.8 | 91.8 | 92.0 | 94.0 | 98.6 | 105.4 | 113.8 | 122.8 | 134.0 | 150.0 | 175.0 | 42.5° |
| 45° | 90.0 | 90.0 | 89.8 | 91.2 | 94.8 | 102.6 | 112.8 | 123.8 | 136.0 | 149.8 | 169.4 | 45° |
| 47.5° | 88.4 | 88.0 | 87.6 | 88.2 | 91.2 | 99.2 | 111.0 | 124.4 | 140.0 | 157.2 | 177.0 | 47.5° |
| 50° | 82.8 | 82.8 | 82.6 | 82.8 | 85.6 | 94.0 | 107.6 | 123.8 | 143.6 | 165.8 | 189.8 | 50° |
| 52.5° | 78.8 | 79.0 | 79.2 | 79.2 | 81.4 | 90.0 | 105.0 | 124.0 | 147.6 | 174.2 | 204.6 | 52.5° |
| 55° | 77.8 | 78.2 | 78.2 | 77.8 | 79.6 | 87.4 | 102.6 | 123.4 | 150.4 | 183.6 | 220.4 | 55° |
| 57.5° | 76.6 | 76.8 | 77.0 | 76.6 | 77.8 | 84.6 | 99.2 | 120.6 | 149.6 | 187.2 | 232.2 | 57.5° |
| 60° | 75.0 | 74.2 | 74.0 | 73.4 | 74.2 | 79.6 | 93.2 | 114.6 | 144.8 | 185.6 | 236.2 | 60° |
| 62.5° | 70.6 | 70.0 | 69.4 | 68.8 | 69.4 | 73.4 | 86.6 | 107.2 | 136.8 | 179.2 | 233.0 | 62.5° |
| 63° | 69.6 | 69.2 | 68.6 | 68.0 | 68.0 | 72.4 | 84.4 | 105.4 | 134.8 | 177.4 | 231.8 | 63° |
| 65° | 66.8 | 66.6 | 66.2 | 65.6 | 65.4 | 68.8 | 79.4 | 97.2 | 125.4 | 169.4 | 224.2 | 65° |
| 67.5° | 63.6 | 63.6 | 63.4 | 62.6 | 61.6 | 63.6 | 71.0 | 85.0 | 109.0 | 148.8 | 205.4 | 67.5° |
| 70° | 59.0 | 59.0 | 58.8 | 58.4 | 57.2 | 58.6 | 63.4 | 72.6 | 89.8 | 121.6 | 172.2 | 70° |
| 72.5° | 54.4 | 54.4 | 55.0 | 54.8 | 55.0 | 55.2 | 57.6 | 62.6 | 73.0 | 94.6 | 130.2 | 72.5° |
| 75° | 48.4 | 49.4 | 49.6 | 50.0 | 50.2 | 50.0 | 51.2 | 54.2 | 60.2 | 72.6 | 95.0 | 75° |
| 77.5° | 43.4 | 44.8 | 44.6 | 44.2 | 44.0 | 44.2 | 44.0 | 45.4 | 49.8 | 57.6 | 70.4 | 77.5° |
| 80° | 35.8 | 37.2 | 37.2 | 37.0 | 36.6 | 37.0 | 36.6 | 38.0 | 41.6 | 48.4 | 56.0 | 80° |
| 82.5° | 29.4 | 30.4 | 31.0 | 31.4 | 31.0 | 32.6 | 32.6 | 32.2 | 35.0 | 41.0 | 47.2 | 82.5° |
| 85° | 23.6 | 24.6 | 25.2 | 26.0 | 26.4 | 26.0 | 25.8 | 25.4 | 27.0 | 31.8 | 36.0 | 85° |
| 87.5° | 15.0 | 15.8 | 15.8 | 16.0 | 16.0 | 16.6 | 15.4 | 14.0 | 12.8 | 18.2 | 19.0 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



NUMBER: P145940

NUMBER: OVH-E01-LED-E-U-SLL

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|-------|-------|-------|-------|--------|--------|
| 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 | 330.8 |
| 330.8 | 330.8 | 331.0 | 330.4 | 331.0 | 331.0 | 330.4 |
| 329.4 | 329.0 | 329.0 | 328.8 | 329.2 | 329.0 | 328.8 |
| 328.2 | 328.2 | 327.4 | 326.8 | 326.6 | 327.4 | 327.0 |
| 327.8 | 327.4 | 327.2 | 326.8 | 327.0 | 327.6 | 328.0 |
| 335.0 | 333.6 | 334.0 | 333.8 | 334.0 | 334.6 | 335.8 |
| 348.2 | 348.2 | 349.2 | 347.0 | 348.0 | 349.0 | 350.6 |
| 363.0 | 366.6 | 368.4 | 368.2 | 368.6 | 369.4 | 371.2 |
| 375.6 | 387.0 | 395.0 | 397.0 | 402.4 | 403.6 | 400.8 |
| 381.2 | 401.6 | 419.6 | 431.6 | 445.0 | 450.4 | 452.0 |
| 369.8 | 399.2 | 428.8 | 456.4 | 482.8 | 498.0 | 511.4 |
| 358.0 | 392.8 | 432.2 | 473.4 | 516.4 | 555.2 | 584.2 |
| 341.6 | 387.6 | 440.8 | 496.4 | 553.4 | 607.4 | 655.8 |
| 323.6 | 379.2 | 441.6 | 509.2 | 579.6 | 646.8 | 705.4 |
| 297.8 | 359.6 | 428.8 | 507.2 | 588.8 | 673.0 | 746.2 |
| 268.2 | 328.4 | 406.0 | 495.6 | 588.2 | 686.4 | 774.2 |
| 236.6 | 298.2 | 379.8 | 475.8 | 580.4 | 690.6 | 793.8 |
| 212.8 | 273.8 | 353.8 | 457.0 | 568.8 | 687.8 | 803.2 |
| 200.6 | 252.8 | 332.6 | 438.6 | 555.8 | 681.0 | 807.2 |
| 203.0 | 247.2 | 320.0 | 423.4 | 544.2 | 673.6 | 806.2 |
| 216.4 | 255.6 | 319.8 | 417.8 | 536.8 | 666.8 | 803.4 |
| 236.6 | 274.6 | 331.4 | 424.4 | 540.8 | 666.2 | 803.2 |
| 259.4 | 301.2 | 359.4 | 442.2 | 557.8 | 677.0 | 808.0 |
| 281.4 | 333.6 | 395.4 | 482.0 | 590.0 | 704.0 | 827.4 |
| 294.4 | 363.2 | 441.6 | 538.2 | 639.6 | 751.4 | 870.0 |
| 297.4 | 381.0 | 482.6 | 593.4 | 707.6 | 820.0 | 936.4 |
| 297.2 | 382.8 | 489.6 | 604.8 | 721.4 | 835.8 | 953.4 |
| 292.6 | 386.4 | 508.4 | 642.4 | 776.8 | 903.6 | 1024.4 |
| 278.2 | 380.0 | 518.8 | 677.4 | 831.8 | 978.4 | 1131.2 |
| 245.2 | 350.8 | 506.6 | 688.8 | 864.6 | 1028.0 | 1202.4 |
| 192.0 | 289.4 | 437.4 | 629.6 | 820.2 | 983.6 | 1204.2 |
| 135.0 | 204.6 | 336.6 | 517.0 | 670.4 | 831.2 | 1075.6 |
| 94.0 | 132.6 | 218.6 | 347.8 | 483.8 | 606.4 | 799.6 |
| 68.8 | 88.2 | 131.0 | 208.0 | 293.6 | 379.0 | 496.2 |
| 53.0 | 63.6 | 83.8 | 125.6 | 165.8 | 212.2 | 299.2 |
| 37.2 | 42.0 | 51.8 | 77.6 | 111.2 | 151.8 | 219.2 |
| 16.2 | 19.0 | 25.0 | 45.8 | 75.2 | 72.4 | 69.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)