

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: P146248

Luminaire Tested: **OVH-E02-LED-E-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146248
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-E02-LED-E-U-SLR-8030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4546.5 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.1
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

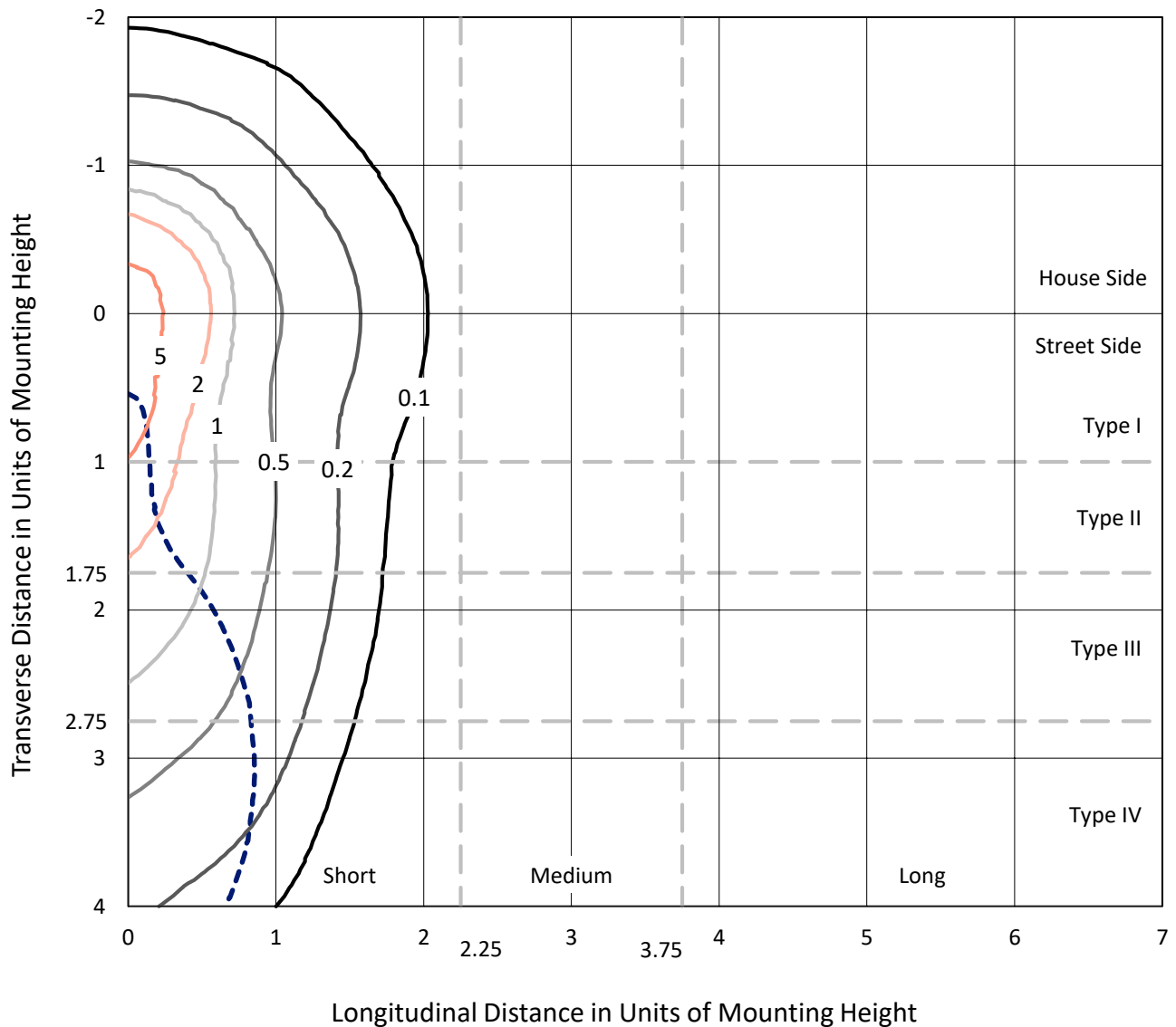




REPORT NUMBER: P146248
 CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

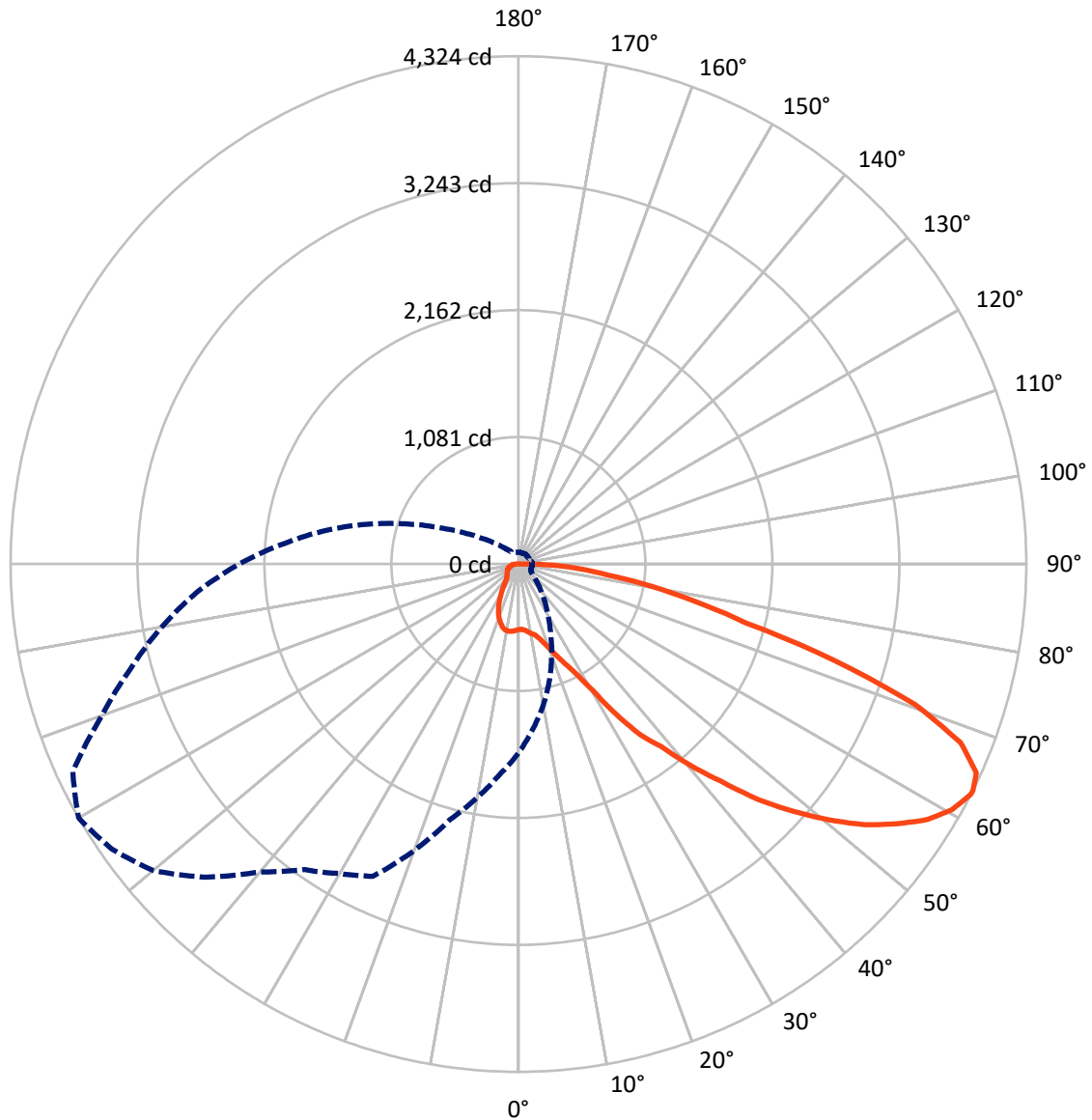


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 951.7 | 0.0 | 951.7 |
| | % Fixture | 20.9 | 0.0 | 20.9 |
| Street Side | Lumens | 3594.8 | 0.0 | 3594.8 |
| | % Fixture | 79.1 | 0.0 | 79.1 |
| Total | Lumens | 4546.5 | 0.0 | 4546.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.8 | 1.2 |
| 10°-20° | 171.2 | 3.8 |
| 20°-30° | 302.7 | 6.7 |
| 30°-40° | 477.8 | 10.5 |
| 40°-50° | 702.7 | 15.5 |
| 50°-60° | 925.6 | 20.4 |
| 60°-70° | 1031.7 | 22.7 |
| 70°-80° | 677.8 | 14.9 |
| 80°-90° | 202.1 | 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° | 4546.5 | 100.0 |
| 0°-180° | 4546.5 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P146248

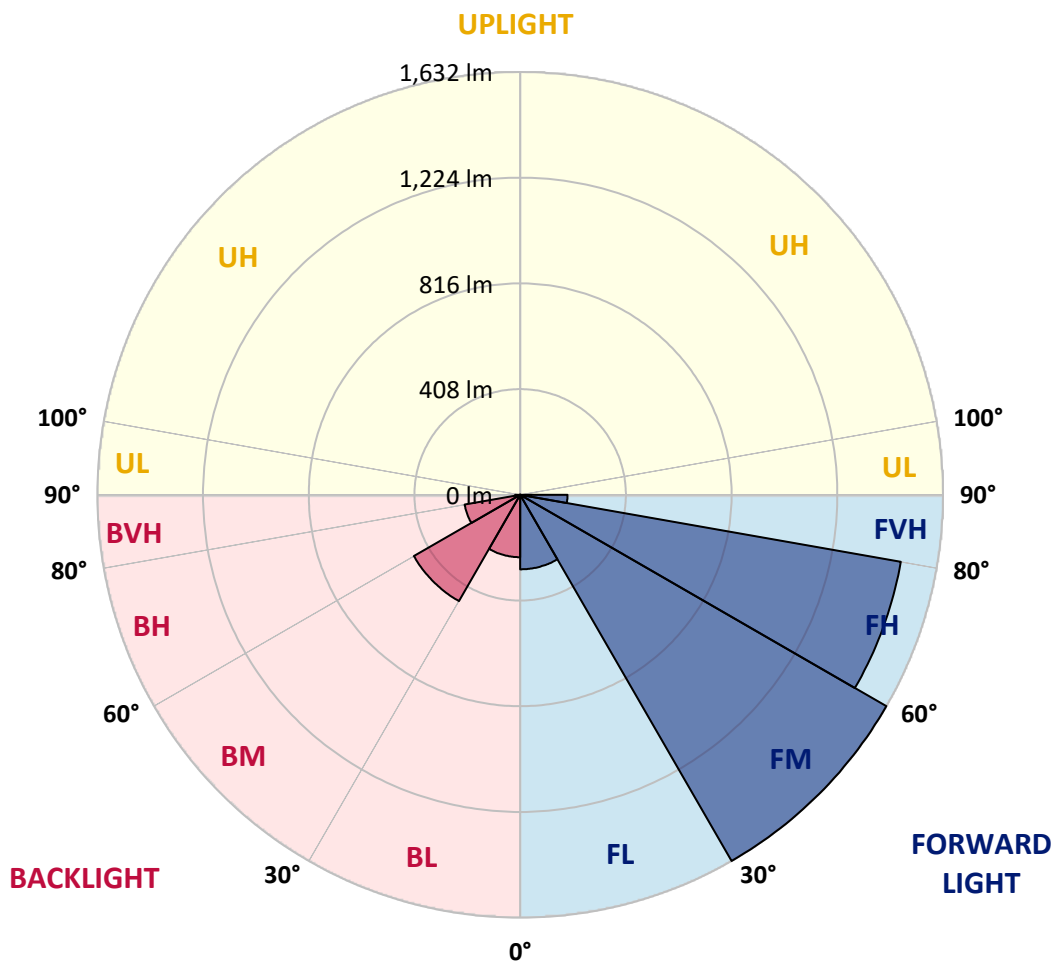
CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 287.8 | 6.3 | | | |
| FM | (30°-60°) | 1632.3 | 35.9 | | | |
| FH | (60°-80°) | 1492.0 | 32.8 | | | G1/1800 |
| FVH | (80°-90°) | 182.7 | 4.0 | | | G2/225 |
| BL | (0°-30°) | 240.9 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 473.8 | 10.4 | B1/1000 | | |
| BH | (60°-80°) | 217.5 | 4.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.4 | 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: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5° | 557.7 | 558.7 | 558.7 | 557.7 | 558.7 | 558.4 | 558.4 | 559.4 | 559.7 | 561.4 | 560.4 |
| 5° | 555.0 | 555.3 | 555.7 | 555.0 | 555.3 | 555.3 | 556.0 | 557.0 | 557.4 | 559.4 | 558.4 |
| 7.5° | 552.0 | 552.6 | 551.3 | 551.6 | 552.6 | 554.0 | 554.0 | 555.3 | 557.7 | 558.7 | 558.4 |
| 10° | 553.7 | 553.0 | 552.0 | 551.6 | 552.3 | 552.6 | 553.3 | 555.7 | 557.7 | 558.7 | 560.4 |
| 12.5° | 566.8 | 564.8 | 563.8 | 563.4 | 563.8 | 563.1 | 565.5 | 566.1 | 566.8 | 568.2 | 567.5 |
| 15° | 591.8 | 589.1 | 587.4 | 585.7 | 589.4 | 587.8 | 587.8 | 585.7 | 582.4 | 577.3 | 570.9 |
| 17.5° | 626.6 | 623.5 | 622.2 | 621.5 | 621.9 | 618.8 | 612.7 | 602.9 | 591.1 | 577.6 | 565.1 |
| 20° | 676.5 | 681.3 | 679.2 | 670.1 | 666.8 | 653.2 | 634.0 | 613.8 | 593.2 | 571.6 | 551.0 |
| 22.5° | 763.0 | 760.3 | 751.2 | 728.5 | 708.3 | 677.9 | 643.5 | 610.7 | 580.3 | 548.9 | 521.9 |
| 25° | 863.2 | 840.6 | 815.0 | 770.4 | 723.8 | 673.8 | 624.2 | 585.4 | 544.9 | 510.4 | 478.0 |
| 27.5° | 986.1 | 937.2 | 871.7 | 799.1 | 729.5 | 663.0 | 604.3 | 553.0 | 506.7 | 469.9 | 433.8 |
| 30° | 1107.0 | 1025.3 | 934.1 | 837.9 | 744.1 | 654.3 | 576.6 | 517.2 | 463.9 | 416.6 | 380.1 |
| 32.5° | 1190.7 | 1091.8 | 978.4 | 859.5 | 745.4 | 640.1 | 546.2 | 475.3 | 415.2 | 367.6 | 323.8 |
| 35° | 1259.6 | 1136.0 | 993.9 | 856.1 | 723.8 | 607.0 | 502.7 | 424.0 | 360.2 | 310.9 | 272.4 |
| 37.5° | 1306.8 | 1158.6 | 992.9 | 836.6 | 685.3 | 554.3 | 452.7 | 372.7 | 313.3 | 267.4 | 231.9 |
| 40° | 1339.9 | 1165.7 | 979.7 | 803.1 | 641.1 | 503.4 | 399.4 | 326.5 | 274.5 | 238.7 | 213.0 |
| 42.5° | 1355.8 | 1161.0 | 960.1 | 771.4 | 597.2 | 462.2 | 359.2 | 295.4 | 253.2 | 226.2 | 207.3 |
| 45° | 1362.5 | 1149.5 | 938.2 | 740.3 | 561.4 | 426.7 | 338.6 | 285.9 | 252.9 | 229.6 | 209.0 |
| 47.5° | 1360.9 | 1137.0 | 918.6 | 714.7 | 540.2 | 417.3 | 342.7 | 298.8 | 265.4 | 236.3 | 210.0 |
| 50° | 1356.1 | 1125.5 | 906.1 | 705.2 | 539.8 | 431.4 | 365.3 | 320.4 | 279.9 | 242.4 | 209.0 |
| 52.5° | 1355.8 | 1124.5 | 912.9 | 716.4 | 559.4 | 463.5 | 399.4 | 345.4 | 294.0 | 249.1 | 209.3 |
| 55° | 1363.9 | 1142.8 | 941.6 | 746.4 | 606.7 | 508.4 | 437.9 | 372.0 | 309.9 | 253.9 | 208.3 |
| 57.5° | 1396.6 | 1188.3 | 995.9 | 813.6 | 667.4 | 563.1 | 475.0 | 391.9 | 316.0 | 252.5 | 203.6 |
| 60° | 1468.5 | 1268.3 | 1079.6 | 908.5 | 745.4 | 613.1 | 496.9 | 398.7 | 313.3 | 244.4 | 193.4 |
| 62.5° | 1580.6 | 1384.1 | 1194.4 | 1001.6 | 814.6 | 643.1 | 502.0 | 393.3 | 302.5 | 230.9 | 181.0 |
| 63° | 1609.3 | 1410.8 | 1217.7 | 1020.9 | 826.4 | 646.2 | 501.7 | 391.3 | 299.4 | 227.5 | 177.9 |
| 65° | 1729.2 | 1525.3 | 1311.2 | 1084.4 | 858.2 | 652.2 | 493.9 | 378.4 | 285.9 | 211.7 | 164.1 |
| 67.5° | 1909.4 | 1651.5 | 1404.1 | 1143.4 | 875.7 | 641.4 | 469.6 | 346.7 | 251.2 | 184.0 | 143.5 |
| 70° | 2029.6 | 1735.2 | 1459.4 | 1162.7 | 855.1 | 592.1 | 413.9 | 290.7 | 205.3 | 151.6 | 122.5 |
| 72.5° | 2032.7 | 1660.3 | 1384.5 | 1062.8 | 738.3 | 488.5 | 324.1 | 219.8 | 159.7 | 123.2 | 105.7 |
| 75° | 1815.6 | 1403.1 | 1131.6 | 872.7 | 568.2 | 345.4 | 227.9 | 160.4 | 122.5 | 101.6 | 91.5 |
| 77.5° | 1349.7 | 1023.6 | 816.6 | 587.1 | 369.0 | 223.8 | 158.7 | 118.8 | 97.2 | 84.1 | 76.6 |
| 80° | 837.6 | 639.7 | 495.6 | 351.1 | 221.1 | 148.9 | 116.1 | 94.5 | 81.7 | 70.2 | 64.1 |
| 82.5° | 505.0 | 358.2 | 279.9 | 212.0 | 141.5 | 107.4 | 89.5 | 79.7 | 69.2 | 59.1 | 54.4 |
| 85° | 370.0 | 256.2 | 187.7 | 131.0 | 87.4 | 70.9 | 62.8 | 60.8 | 53.7 | 45.6 | 42.9 |
| 87.5° | 116.5 | 122.2 | 126.9 | 77.3 | 42.2 | 32.1 | 27.3 | 32.1 | 30.7 | 21.6 | 23.6 |
| 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: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5° | 562.1 | 563.4 | 562.4 | 562.4 | 561.8 | 561.4 | 563.8 | 563.1 | 563.8 | 563.4 | 564.1 |
| 5° | 560.1 | 561.1 | 560.4 | 561.1 | 560.4 | 560.4 | 563.4 | 563.4 | 564.8 | 565.5 | 567.2 |
| 7.5° | 560.7 | 561.1 | 560.7 | 561.8 | 561.1 | 560.4 | 562.1 | 563.1 | 565.5 | 567.5 | 569.2 |
| 10° | 563.1 | 564.1 | 563.8 | 563.8 | 561.8 | 560.4 | 561.4 | 562.1 | 564.5 | 565.5 | 567.5 |
| 12.5° | 568.8 | 567.5 | 564.8 | 563.1 | 558.4 | 555.7 | 554.3 | 553.7 | 555.3 | 556.7 | 557.7 |
| 15° | 567.5 | 560.1 | 554.0 | 548.9 | 541.8 | 537.5 | 534.1 | 533.7 | 534.1 | 534.4 | 535.4 |
| 17.5° | 553.7 | 543.5 | 531.4 | 525.0 | 516.9 | 512.1 | 509.8 | 508.1 | 507.7 | 508.4 | 510.1 |
| 20° | 533.7 | 518.9 | 505.4 | 494.2 | 485.5 | 478.0 | 479.7 | 476.0 | 477.7 | 478.7 | 481.8 |
| 22.5° | 503.4 | 482.8 | 467.2 | 453.7 | 443.3 | 435.5 | 435.5 | 432.1 | 432.8 | 435.8 | 439.9 |
| 25° | 454.1 | 434.8 | 412.5 | 403.1 | 391.3 | 385.9 | 384.9 | 384.2 | 386.9 | 390.6 | 393.0 |
| 27.5° | 409.5 | 383.2 | 361.2 | 348.7 | 336.2 | 337.6 | 330.8 | 334.9 | 337.9 | 341.0 | 343.7 |
| 30° | 349.4 | 327.8 | 307.9 | 295.4 | 280.5 | 280.9 | 281.9 | 282.6 | 285.3 | 289.3 | 294.7 |
| 32.5° | 291.7 | 268.4 | 249.8 | 236.3 | 227.5 | 224.8 | 221.1 | 227.2 | 230.6 | 234.6 | 240.0 |
| 35° | 244.1 | 219.8 | 204.2 | 192.4 | 187.4 | 183.7 | 182.6 | 182.0 | 185.0 | 187.0 | 191.4 |
| 37.5° | 210.0 | 193.4 | 182.0 | 173.5 | 168.8 | 164.7 | 163.7 | 163.1 | 162.7 | 162.0 | 164.7 |
| 40° | 196.1 | 183.0 | 173.2 | 165.4 | 161.0 | 158.7 | 157.7 | 156.3 | 155.0 | 153.3 | 152.9 |
| 42.5° | 192.1 | 177.9 | 166.4 | 158.7 | 155.3 | 155.0 | 155.0 | 154.3 | 152.9 | 150.6 | 148.9 |
| 45° | 190.4 | 173.2 | 160.0 | 153.9 | 151.6 | 151.9 | 151.9 | 151.9 | 150.9 | 148.5 | 145.8 |
| 47.5° | 187.4 | 167.4 | 153.9 | 148.9 | 147.9 | 148.5 | 149.2 | 149.2 | 148.5 | 146.5 | 143.5 |
| 50° | 181.6 | 158.7 | 144.5 | 139.8 | 139.4 | 139.8 | 139.8 | 140.4 | 139.8 | 138.1 | 135.4 |
| 52.5° | 177.2 | 151.9 | 137.4 | 133.7 | 133.7 | 133.4 | 133.0 | 133.0 | 132.7 | 131.3 | 129.3 |
| 55° | 173.2 | 147.5 | 134.4 | 131.3 | 132.0 | 132.0 | 131.3 | 131.0 | 129.6 | 127.9 | 125.9 |
| 57.5° | 167.4 | 142.8 | 131.3 | 129.3 | 130.0 | 129.6 | 129.3 | 129.0 | 127.6 | 125.6 | 122.9 |
| 60° | 157.3 | 134.4 | 125.2 | 123.9 | 124.9 | 125.2 | 126.6 | 126.9 | 126.3 | 123.9 | 120.2 |
| 62.5° | 146.2 | 123.9 | 117.1 | 116.1 | 117.1 | 118.2 | 119.2 | 118.5 | 118.5 | 116.1 | 112.8 |
| 63° | 142.5 | 122.2 | 114.8 | 114.8 | 115.8 | 116.8 | 117.5 | 116.8 | 117.1 | 114.4 | 111.1 |
| 65° | 134.0 | 116.1 | 110.4 | 110.7 | 111.7 | 112.4 | 112.8 | 112.8 | 112.4 | 110.4 | 107.4 |
| 67.5° | 119.8 | 107.4 | 104.0 | 105.7 | 107.0 | 107.4 | 107.4 | 108.0 | 107.4 | 106.0 | 103.3 |
| 70° | 107.0 | 98.9 | 96.6 | 98.6 | 99.3 | 99.6 | 99.6 | 99.6 | 98.9 | 97.6 | 95.2 |
| 72.5° | 97.2 | 93.2 | 92.8 | 92.5 | 92.8 | 91.8 | 91.8 | 91.2 | 89.5 | 88.5 | 86.4 |
| 75° | 86.4 | 84.4 | 84.7 | 84.4 | 83.7 | 83.4 | 81.7 | 81.0 | 79.0 | 77.6 | 74.9 |
| 77.5° | 74.3 | 74.6 | 74.3 | 74.6 | 75.3 | 75.6 | 73.3 | 71.6 | 69.9 | 68.5 | 67.2 |
| 80° | 61.8 | 62.5 | 61.8 | 62.5 | 62.8 | 62.8 | 60.4 | 57.7 | 56.4 | 57.4 | 57.7 |
| 82.5° | 55.0 | 55.0 | 52.3 | 53.0 | 52.3 | 51.3 | 49.6 | 48.6 | 47.6 | 46.9 | 48.6 |
| 85° | 43.5 | 43.9 | 44.6 | 43.9 | 42.5 | 41.5 | 39.8 | 38.5 | 37.5 | 38.5 | 40.8 |
| 87.5° | 26.0 | 28.0 | 27.0 | 27.0 | 26.7 | 26.7 | 25.3 | 24.6 | 23.6 | 27.7 | 29.7 |
| 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: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5° | 563.8 | 564.8 | 565.1 | 564.8 | 565.1 | 565.8 | 563.1 | 565.8 | 566.1 | 564.1 | 564.8 |
| 5° | 568.5 | 570.2 | 572.6 | 572.6 | 574.3 | 575.3 | 573.9 | 577.6 | 578.3 | 578.0 | 579.7 |
| 7.5° | 571.9 | 574.3 | 577.3 | 579.0 | 582.0 | 583.4 | 584.4 | 587.8 | 588.4 | 589.8 | 591.1 |
| 10° | 571.6 | 574.9 | 577.6 | 582.4 | 586.1 | 588.8 | 590.8 | 594.5 | 595.9 | 597.9 | 598.9 |
| 12.5° | 561.8 | 565.5 | 570.5 | 577.3 | 584.0 | 588.4 | 593.8 | 599.2 | 601.3 | 604.0 | 605.6 |
| 15° | 539.8 | 542.9 | 549.9 | 558.7 | 567.8 | 579.0 | 586.7 | 595.2 | 598.9 | 601.6 | 604.0 |
| 17.5° | 511.1 | 513.8 | 520.2 | 528.0 | 540.2 | 551.0 | 562.8 | 575.6 | 582.0 | 585.1 | 586.1 |
| 20° | 484.5 | 488.5 | 490.2 | 499.3 | 503.4 | 514.2 | 524.3 | 538.5 | 546.6 | 552.0 | 555.3 |
| 22.5° | 442.6 | 444.6 | 453.4 | 457.1 | 460.1 | 466.9 | 479.4 | 491.9 | 502.7 | 511.5 | 514.2 |
| 25° | 396.3 | 401.7 | 406.5 | 409.5 | 416.6 | 416.9 | 427.1 | 435.8 | 449.3 | 457.8 | 464.5 |
| 27.5° | 345.4 | 353.5 | 356.2 | 358.2 | 363.6 | 370.0 | 373.7 | 382.5 | 390.3 | 400.1 | 412.2 |
| 30° | 294.0 | 301.8 | 307.2 | 310.3 | 315.3 | 321.4 | 324.1 | 329.8 | 340.0 | 350.8 | 360.2 |
| 32.5° | 246.1 | 254.2 | 256.9 | 266.7 | 268.1 | 273.8 | 275.8 | 284.9 | 290.7 | 299.8 | 310.9 |
| 35° | 199.2 | 207.6 | 215.7 | 221.1 | 227.2 | 226.9 | 232.3 | 240.7 | 245.8 | 255.2 | 262.6 |
| 37.5° | 167.1 | 172.2 | 177.9 | 184.0 | 190.7 | 195.8 | 200.9 | 204.6 | 208.6 | 215.0 | 221.8 |
| 40° | 152.9 | 154.3 | 156.6 | 160.4 | 165.1 | 168.8 | 172.5 | 175.6 | 178.6 | 183.7 | 188.0 |
| 42.5° | 147.2 | 146.2 | 146.2 | 145.5 | 147.2 | 149.2 | 152.3 | 153.3 | 158.0 | 161.0 | 162.7 |
| 45° | 143.1 | 140.8 | 139.1 | 137.1 | 136.4 | 137.1 | 138.8 | 141.1 | 144.2 | 145.2 | 145.2 |
| 47.5° | 140.8 | 137.1 | 134.4 | 131.3 | 129.6 | 129.6 | 130.6 | 132.3 | 134.0 | 134.4 | 134.0 |
| 50° | 132.7 | 129.0 | 125.6 | 122.9 | 121.5 | 121.5 | 121.9 | 124.2 | 124.6 | 123.9 | 124.2 |
| 52.5° | 126.6 | 122.9 | 119.5 | 117.1 | 115.5 | 115.8 | 116.8 | 117.8 | 118.8 | 118.2 | 117.5 |
| 55° | 122.9 | 118.5 | 115.5 | 112.8 | 110.7 | 111.4 | 112.4 | 113.8 | 115.5 | 114.4 | 113.4 |
| 57.5° | 119.5 | 115.8 | 112.1 | 109.4 | 107.0 | 107.7 | 108.7 | 110.7 | 112.8 | 110.7 | 109.4 |
| 60° | 116.5 | 112.8 | 109.0 | 106.3 | 103.6 | 104.3 | 105.7 | 107.7 | 109.4 | 106.7 | 105.0 |
| 62.5° | 109.0 | 105.7 | 103.0 | 101.6 | 99.9 | 100.9 | 102.0 | 104.3 | 103.6 | 100.9 | 98.9 |
| 63° | 107.7 | 104.3 | 102.0 | 100.6 | 99.3 | 100.6 | 100.9 | 103.3 | 102.3 | 99.6 | 97.9 |
| 65° | 103.6 | 100.9 | 98.6 | 97.2 | 95.9 | 96.6 | 96.6 | 97.6 | 96.2 | 94.2 | 92.8 |
| 67.5° | 99.9 | 96.9 | 94.5 | 91.8 | 90.5 | 89.8 | 89.5 | 89.1 | 88.1 | 87.1 | 86.8 |
| 70° | 91.8 | 89.8 | 87.8 | 85.4 | 83.4 | 82.0 | 81.4 | 80.7 | 80.0 | 79.7 | 79.3 |
| 72.5° | 83.0 | 81.4 | 79.3 | 78.0 | 76.3 | 75.3 | 73.6 | 73.3 | 72.6 | 71.9 | 71.6 |
| 75° | 73.6 | 71.6 | 70.9 | 69.5 | 68.5 | 67.9 | 66.5 | 66.2 | 65.5 | 64.5 | 64.1 |
| 77.5° | 65.2 | 64.5 | 63.5 | 63.1 | 61.4 | 60.4 | 59.8 | 59.4 | 58.7 | 58.1 | 57.4 |
| 80° | 58.1 | 57.7 | 57.1 | 56.7 | 55.7 | 54.4 | 53.7 | 54.0 | 53.0 | 52.7 | 51.7 |
| 82.5° | 52.3 | 52.7 | 52.7 | 51.7 | 50.6 | 49.0 | 48.3 | 49.3 | 48.6 | 47.3 | 45.9 |
| 85° | 44.6 | 44.2 | 44.6 | 44.2 | 42.2 | 40.5 | 39.8 | 40.5 | 40.2 | 38.1 | 37.8 |
| 87.5° | 31.7 | 31.4 | 30.7 | 32.7 | 30.0 | 24.3 | 25.0 | 28.4 | 27.3 | 26.3 | 25.7 |
| 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: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5° | 566.1 | 565.1 | 565.8 | 566.1 | 565.1 | 567.5 | 565.1 | 565.5 | 566.1 | 564.1 | 563.8 |
| 5° | 581.0 | 581.0 | 583.7 | 584.0 | 583.7 | 586.7 | 586.4 | 586.7 | 586.1 | 585.7 | 584.4 |
| 7.5° | 593.2 | 594.5 | 596.5 | 599.6 | 600.6 | 602.9 | 603.6 | 604.0 | 605.3 | 606.7 | 606.0 |
| 10° | 601.9 | 605.6 | 607.3 | 610.4 | 613.4 | 615.1 | 616.8 | 619.5 | 620.5 | 621.5 | 620.2 |
| 12.5° | 608.0 | 612.4 | 615.1 | 618.8 | 622.5 | 625.2 | 628.3 | 631.6 | 635.0 | 636.0 | 634.3 |
| 15° | 605.0 | 610.0 | 614.1 | 618.1 | 623.9 | 628.9 | 634.7 | 640.8 | 645.1 | 646.8 | 644.8 |
| 17.5° | 586.1 | 591.1 | 597.2 | 603.3 | 609.4 | 618.8 | 626.9 | 637.0 | 644.1 | 649.2 | 649.9 |
| 20° | 560.1 | 563.1 | 571.9 | 578.0 | 587.8 | 598.9 | 611.0 | 622.9 | 631.0 | 640.1 | 645.5 |
| 22.5° | 521.6 | 527.7 | 537.5 | 547.9 | 557.7 | 572.2 | 585.1 | 600.6 | 614.4 | 626.9 | 638.7 |
| 25° | 474.7 | 483.1 | 494.6 | 509.1 | 521.9 | 537.5 | 556.0 | 573.2 | 596.5 | 616.1 | 641.4 |
| 27.5° | 424.0 | 439.6 | 455.4 | 470.6 | 484.8 | 502.3 | 521.6 | 540.8 | 567.5 | 598.9 | 632.0 |
| 30° | 376.1 | 388.9 | 408.8 | 426.4 | 442.9 | 464.5 | 484.5 | 505.7 | 531.0 | 568.2 | 605.6 |
| 32.5° | 326.1 | 336.6 | 352.1 | 373.7 | 393.0 | 418.3 | 435.8 | 461.2 | 490.5 | 529.7 | 572.2 |
| 35° | 274.5 | 289.0 | 301.5 | 316.3 | 330.8 | 356.2 | 382.5 | 410.5 | 444.3 | 486.1 | 532.7 |
| 37.5° | 228.9 | 238.0 | 244.1 | 259.3 | 272.1 | 293.7 | 324.4 | 358.2 | 395.3 | 437.9 | 487.8 |
| 40° | 191.1 | 196.8 | 203.6 | 213.7 | 224.5 | 244.1 | 272.4 | 310.3 | 349.1 | 391.6 | 441.6 |
| 42.5° | 165.1 | 168.8 | 169.5 | 177.2 | 187.4 | 206.6 | 229.2 | 264.0 | 306.9 | 351.4 | 401.4 |
| 45° | 147.2 | 147.2 | 146.9 | 150.2 | 158.3 | 174.9 | 195.5 | 226.5 | 267.4 | 314.0 | 366.0 |
| 47.5° | 134.7 | 135.7 | 135.4 | 136.7 | 142.1 | 154.3 | 172.8 | 199.2 | 236.3 | 281.9 | 334.2 |
| 50° | 125.2 | 126.6 | 126.9 | 127.3 | 129.3 | 139.4 | 155.3 | 176.6 | 209.6 | 253.2 | 305.9 |
| 52.5° | 117.8 | 118.2 | 118.2 | 117.8 | 118.5 | 124.2 | 137.4 | 157.0 | 187.7 | 226.9 | 277.5 |
| 55° | 113.8 | 114.1 | 114.1 | 114.1 | 114.1 | 117.8 | 127.3 | 143.1 | 167.8 | 204.6 | 250.5 |
| 57.5° | 109.0 | 109.0 | 109.7 | 109.7 | 109.7 | 111.1 | 117.8 | 131.0 | 149.9 | 179.3 | 220.1 |
| 60° | 105.0 | 106.0 | 107.4 | 107.7 | 107.4 | 107.4 | 110.7 | 119.5 | 132.0 | 153.3 | 187.7 |
| 62.5° | 98.9 | 100.3 | 102.0 | 102.6 | 103.0 | 102.3 | 104.0 | 107.7 | 115.1 | 126.3 | 149.6 |
| 63° | 97.9 | 99.3 | 100.6 | 101.3 | 101.6 | 100.9 | 102.3 | 105.3 | 111.4 | 120.5 | 141.5 |
| 65° | 93.5 | 95.2 | 95.5 | 95.9 | 95.5 | 95.2 | 94.9 | 94.9 | 96.6 | 99.9 | 111.1 |
| 67.5° | 87.4 | 88.5 | 88.5 | 89.1 | 87.4 | 86.8 | 86.1 | 85.4 | 84.4 | 84.7 | 88.8 |
| 70° | 80.3 | 81.0 | 80.7 | 80.3 | 79.7 | 78.7 | 78.0 | 77.0 | 74.9 | 74.3 | 76.3 |
| 72.5° | 72.2 | 72.9 | 72.9 | 72.9 | 71.6 | 70.9 | 70.2 | 69.5 | 68.9 | 69.5 | 70.2 |
| 75° | 64.8 | 64.8 | 65.5 | 65.2 | 64.1 | 63.5 | 63.1 | 62.8 | 62.8 | 62.8 | 62.5 |
| 77.5° | 57.7 | 57.4 | 57.4 | 56.4 | 55.7 | 55.4 | 56.0 | 56.4 | 56.0 | 55.4 | 55.0 |
| 80° | 51.7 | 50.0 | 48.3 | 46.9 | 46.6 | 47.3 | 47.9 | 50.0 | 49.0 | 49.0 | 48.3 |
| 82.5° | 43.9 | 40.2 | 37.8 | 38.1 | 37.1 | 37.5 | 38.1 | 40.5 | 39.8 | 40.2 | 41.5 |
| 85° | 35.1 | 31.7 | 28.0 | 28.7 | 28.7 | 28.0 | 29.7 | 30.4 | 31.1 | 32.7 | 31.4 |
| 87.5° | 24.6 | 21.6 | 17.9 | 15.5 | 16.2 | 16.9 | 17.6 | 16.9 | 14.9 | 15.5 | 15.2 |
| 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: P146248

CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5° | 563.1 | 563.4 | 563.4 | 561.1 | 560.4 | 561.1 | 560.7 | 560.7 | 558.7 | 559.1 | 558.4 |
| 5° | 583.7 | 584.4 | 582.4 | 580.7 | 578.3 | 578.0 | 577.6 | 576.3 | 574.9 | 572.2 | 570.9 |
| 7.5° | 605.6 | 602.6 | 601.9 | 598.9 | 597.9 | 595.2 | 593.2 | 591.1 | 589.4 | 588.1 | 587.1 |
| 10° | 619.5 | 617.1 | 616.5 | 611.0 | 609.4 | 606.0 | 604.0 | 601.6 | 599.6 | 597.5 | 597.2 |
| 12.5° | 632.0 | 627.9 | 625.6 | 618.1 | 614.8 | 611.0 | 609.4 | 607.3 | 606.7 | 606.3 | 607.7 |
| 15° | 641.8 | 636.0 | 631.6 | 624.9 | 622.2 | 620.2 | 620.5 | 619.5 | 623.5 | 625.9 | 630.3 |
| 17.5° | 648.2 | 645.8 | 644.8 | 639.7 | 641.4 | 641.4 | 646.2 | 648.5 | 655.9 | 662.0 | 668.1 |
| 20° | 651.6 | 655.9 | 664.4 | 666.1 | 670.1 | 674.5 | 681.6 | 685.7 | 693.4 | 702.2 | 710.6 |
| 22.5° | 654.6 | 673.2 | 690.4 | 703.2 | 712.3 | 722.5 | 727.5 | 736.0 | 741.4 | 747.8 | 760.6 |
| 25° | 671.5 | 702.5 | 732.9 | 749.5 | 771.1 | 785.6 | 797.1 | 805.5 | 815.0 | 820.4 | 834.9 |
| 27.5° | 666.8 | 706.3 | 746.8 | 777.1 | 810.9 | 838.3 | 862.6 | 878.8 | 890.9 | 910.5 | 922.7 |
| 30° | 645.1 | 691.1 | 740.0 | 783.2 | 830.5 | 875.0 | 917.2 | 955.1 | 987.5 | 1013.8 | 1031.7 |
| 32.5° | 614.4 | 667.1 | 724.5 | 777.8 | 838.3 | 897.7 | 958.4 | 1016.2 | 1071.2 | 1114.7 | 1142.1 |
| 35° | 580.0 | 636.7 | 700.2 | 763.3 | 835.9 | 913.5 | 995.6 | 1073.2 | 1152.9 | 1222.4 | 1277.1 |
| 37.5° | 538.1 | 599.6 | 669.1 | 742.4 | 825.8 | 918.9 | 1022.2 | 1127.9 | 1229.5 | 1334.9 | 1411.8 |
| 40° | 494.2 | 554.3 | 626.6 | 710.3 | 806.5 | 916.2 | 1042.8 | 1179.9 | 1327.1 | 1462.8 | 1580.0 |
| 42.5° | 456.8 | 515.5 | 591.1 | 673.8 | 777.5 | 906.1 | 1056.7 | 1226.5 | 1407.8 | 1583.7 | 1739.3 |
| 45° | 420.0 | 482.8 | 559.1 | 646.5 | 759.6 | 902.1 | 1074.6 | 1267.0 | 1473.9 | 1682.6 | 1881.1 |
| 47.5° | 390.9 | 453.1 | 530.0 | 623.9 | 745.1 | 899.7 | 1091.4 | 1304.8 | 1528.0 | 1756.2 | 1991.5 |
| 50° | 363.3 | 422.7 | 497.6 | 596.5 | 729.9 | 896.0 | 1101.6 | 1334.9 | 1570.2 | 1813.9 | 2069.8 |
| 52.5° | 334.9 | 396.7 | 469.6 | 565.5 | 710.0 | 888.6 | 1104.6 | 1358.5 | 1613.7 | 1869.3 | 2143.1 |
| 55° | 306.2 | 368.0 | 440.9 | 540.2 | 683.0 | 874.0 | 1102.3 | 1375.7 | 1659.3 | 1927.7 | 2209.9 |
| 57.5° | 271.1 | 331.9 | 408.2 | 508.1 | 648.2 | 845.0 | 1090.8 | 1383.1 | 1687.6 | 1982.4 | 2277.1 |
| 60° | 231.6 | 289.0 | 361.2 | 463.2 | 605.6 | 803.1 | 1065.1 | 1372.7 | 1700.5 | 2018.5 | 2348.3 |
| 62.5° | 182.0 | 231.9 | 298.4 | 399.7 | 543.9 | 742.7 | 1009.1 | 1326.4 | 1669.4 | 2009.4 | 2379.0 |
| 63° | 170.8 | 219.1 | 287.6 | 382.8 | 525.6 | 721.8 | 992.5 | 1310.5 | 1655.6 | 2000.9 | 2375.3 |
| 65° | 130.3 | 166.1 | 222.8 | 307.9 | 444.3 | 625.2 | 905.4 | 1220.7 | 1568.5 | 1916.9 | 2316.9 |
| 67.5° | 96.2 | 114.8 | 149.6 | 206.6 | 312.6 | 486.5 | 742.0 | 1054.3 | 1383.5 | 1710.9 | 2118.1 |
| 70° | 79.7 | 86.8 | 103.0 | 132.3 | 193.4 | 322.7 | 524.3 | 802.5 | 1112.0 | 1393.9 | 1761.6 |
| 72.5° | 71.2 | 76.3 | 83.7 | 96.9 | 122.2 | 189.4 | 341.0 | 520.9 | 774.4 | 1018.2 | 1328.8 |
| 75° | 63.8 | 67.2 | 73.3 | 81.0 | 92.5 | 118.5 | 180.3 | 308.9 | 473.3 | 686.0 | 911.5 |
| 77.5° | 56.0 | 59.4 | 65.5 | 71.6 | 79.0 | 90.1 | 111.7 | 175.9 | 283.2 | 400.4 | 559.4 |
| 80° | 48.6 | 50.3 | 55.4 | 64.1 | 69.5 | 78.7 | 85.7 | 110.1 | 154.3 | 209.6 | 298.1 |
| 82.5° | 40.2 | 40.5 | 43.9 | 50.6 | 57.4 | 60.8 | 62.8 | 69.2 | 88.8 | 110.7 | 146.2 |
| 85° | 28.7 | 27.3 | 29.4 | 32.1 | 37.5 | 34.4 | 36.8 | 38.8 | 47.3 | 57.1 | 104.7 |
| 87.5° | 12.8 | 10.1 | 11.8 | 13.2 | 11.8 | 8.1 | 11.8 | 9.8 | 12.2 | 24.0 | 27.0 |
| 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: P146248
 CATALOG NUMBER: OVH-E02-LED-E-U-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 0° |
| 2.5° | 559.1 | 557.0 | 557.0 | 556.7 | 557.0 | 556.4 | 555.0 | 555.0 | 556.0 | 555.7 | 555.7 | 2.5° |
| 5° | 570.9 | 568.2 | 567.5 | 567.2 | 567.2 | 565.5 | 563.4 | 562.4 | 562.1 | 560.7 | 559.7 | 5° |
| 7.5° | 586.4 | 584.7 | 585.7 | 583.7 | 583.0 | 582.7 | 580.0 | 578.0 | 574.9 | 573.6 | 568.5 | 7.5° |
| 10° | 599.2 | 598.2 | 600.9 | 600.6 | 600.9 | 600.9 | 597.2 | 595.2 | 590.8 | 588.4 | 582.0 | 10° |
| 12.5° | 610.4 | 611.0 | 616.1 | 616.1 | 617.1 | 618.5 | 616.5 | 612.1 | 610.4 | 608.0 | 601.3 | 12.5° |
| 15° | 638.7 | 641.4 | 645.1 | 651.2 | 652.9 | 653.2 | 654.9 | 651.2 | 646.8 | 640.8 | 632.7 | 15° |
| 17.5° | 677.2 | 682.6 | 695.1 | 703.9 | 705.6 | 707.3 | 706.3 | 705.6 | 697.5 | 692.4 | 684.0 | 17.5° |
| 20° | 725.5 | 738.7 | 756.2 | 768.4 | 773.8 | 774.4 | 781.2 | 776.5 | 769.0 | 758.9 | 746.8 | 20° |
| 22.5° | 779.5 | 801.5 | 823.7 | 841.6 | 852.1 | 856.8 | 863.9 | 857.2 | 847.4 | 841.3 | 825.1 | 22.5° |
| 25° | 853.4 | 877.4 | 903.1 | 917.2 | 943.9 | 951.7 | 955.7 | 953.7 | 943.6 | 948.0 | 933.1 | 25° |
| 27.5° | 954.7 | 975.3 | 1011.4 | 1029.3 | 1054.3 | 1068.8 | 1065.8 | 1082.7 | 1085.7 | 1096.2 | 1097.9 | 27.5° |
| 30° | 1065.1 | 1099.2 | 1147.8 | 1184.0 | 1222.1 | 1246.7 | 1266.3 | 1281.2 | 1298.4 | 1327.4 | 1345.0 | 30° |
| 32.5° | 1184.3 | 1233.6 | 1295.7 | 1372.3 | 1453.4 | 1519.5 | 1594.1 | 1607.0 | 1645.4 | 1634.3 | 1626.9 | 32.5° |
| 35° | 1317.0 | 1379.1 | 1458.8 | 1559.4 | 1677.2 | 1786.6 | 1858.5 | 1894.6 | 1909.8 | 1918.2 | 1866.9 | 35° |
| 37.5° | 1494.5 | 1578.6 | 1667.4 | 1777.1 | 1867.2 | 1969.5 | 2052.2 | 2142.0 | 2183.2 | 2163.7 | 2065.4 | 37.5° |
| 40° | 1691.4 | 1770.0 | 1890.2 | 1980.0 | 2086.3 | 2254.8 | 2366.9 | 2474.9 | 2508.7 | 2443.5 | 2289.6 | 40° |
| 42.5° | 1888.9 | 1996.9 | 2127.2 | 2254.8 | 2377.0 | 2529.6 | 2678.2 | 2784.8 | 2822.0 | 2710.6 | 2527.9 | 42.5° |
| 45° | 2064.7 | 2203.2 | 2356.4 | 2487.4 | 2658.2 | 2857.8 | 3039.7 | 3125.5 | 3118.7 | 2939.8 | 2734.2 | 45° |
| 47.5° | 2218.0 | 2397.6 | 2570.5 | 2747.0 | 2919.2 | 3144.4 | 3324.6 | 3423.2 | 3353.3 | 3165.3 | 2932.4 | 47.5° |
| 50° | 2344.6 | 2561.7 | 2770.3 | 2973.2 | 3184.5 | 3423.9 | 3597.8 | 3688.9 | 3582.6 | 3344.6 | 3084.3 | 50° |
| 52.5° | 2440.8 | 2709.9 | 2950.3 | 3177.1 | 3429.6 | 3688.2 | 3842.9 | 3897.9 | 3732.1 | 3483.3 | 3198.1 | 52.5° |
| 55° | 2531.6 | 2835.8 | 3101.8 | 3359.4 | 3673.7 | 3905.7 | 4050.5 | 4040.4 | 3826.3 | 3543.7 | 3269.3 | 55° |
| 57.5° | 2600.2 | 2943.2 | 3226.4 | 3519.8 | 3858.4 | 4106.2 | 4189.9 | 4123.1 | 3865.5 | 3561.6 | 3289.9 | 57.5° |
| 60° | 2686.6 | 3026.9 | 3337.1 | 3664.6 | 4033.9 | 4243.6 | 4254.7 | 4134.9 | 3854.3 | 3527.9 | 3260.8 | 60° |
| 62.5° | 2742.0 | 3079.2 | 3407.7 | 3763.9 | 4167.6 | 4320.9 | 4241.2 | 4083.9 | 3790.2 | 3444.5 | 3194.3 | 62.5° |
| 63° | 2747.4 | 3084.3 | 3413.4 | 3773.7 | 4186.5 | 4324.3 | 4228.7 | 4060.9 | 3771.3 | 3421.5 | 3176.8 | 63° |
| 65° | 2723.1 | 3069.8 | 3387.1 | 3756.1 | 4191.3 | 4284.4 | 4137.2 | 3966.8 | 3667.0 | 3304.4 | 3073.5 | 65° |
| 67.5° | 2553.2 | 2913.8 | 3216.6 | 3562.7 | 4009.0 | 4060.6 | 3913.1 | 3727.7 | 3446.2 | 3051.9 | 2847.6 | 67.5° |
| 70° | 2249.1 | 2591.7 | 2806.4 | 3127.8 | 3520.5 | 3582.2 | 3450.2 | 3306.8 | 3056.6 | 2727.1 | 2557.6 | 70° |
| 72.5° | 1811.9 | 2148.5 | 2277.4 | 2523.5 | 2835.5 | 2822.0 | 2729.1 | 2711.2 | 2579.6 | 2303.1 | 2201.1 | 72.5° |
| 75° | 1354.4 | 1674.8 | 1729.2 | 1829.4 | 2003.6 | 1999.2 | 2020.9 | 2097.8 | 2163.7 | 2000.3 | 1869.6 | 75° |
| 77.5° | 893.3 | 1212.0 | 1245.7 | 1362.5 | 1410.8 | 1543.2 | 1698.4 | 1891.9 | 1987.8 | 1920.9 | 1760.6 | 77.5° |
| 80° | 494.2 | 829.1 | 822.4 | 868.0 | 953.4 | 1145.8 | 1381.1 | 1668.4 | 1860.2 | 1812.2 | 1636.7 | 80° |
| 82.5° | 256.9 | 523.9 | 516.2 | 524.3 | 603.6 | 765.3 | 944.3 | 1179.2 | 1377.4 | 1381.8 | 1322.7 | 82.5° |
| 85° | 191.1 | 376.1 | 398.4 | 416.6 | 469.3 | 525.6 | 558.4 | 633.7 | 742.4 | 843.7 | 879.8 | 85° |
| 87.5° | 70.2 | 225.9 | 281.2 | 302.1 | 303.5 | 296.4 | 241.4 | 265.7 | 241.7 | 285.9 | 399.4 | 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° |



IUMBER: P146248

NUMBER: OVH-E02-LED-E-U-SLR-8030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 556.4 | 556.4 | 556.0 | 556.7 | 557.0 | 558.0 | 557.7 |
| 558.7 | 557.7 | 556.7 | 556.0 | 555.3 | 555.7 | 555.0 |
| 564.8 | 561.4 | 558.7 | 556.4 | 554.3 | 554.0 | 552.0 |
| 578.3 | 572.2 | 567.2 | 563.4 | 559.4 | 557.4 | 553.7 |
| 595.5 | 588.8 | 582.4 | 577.0 | 572.2 | 569.5 | 566.8 |
| 625.6 | 615.8 | 608.0 | 602.3 | 597.5 | 594.5 | 591.8 |
| 670.1 | 658.0 | 646.2 | 635.0 | 633.7 | 626.6 | 626.6 |
| 731.6 | 715.0 | 699.8 | 690.4 | 686.0 | 676.5 | 676.5 |
| 816.6 | 800.4 | 777.8 | 766.3 | 767.4 | 759.3 | 763.0 |
| 926.7 | 913.2 | 889.9 | 885.2 | 885.2 | 876.4 | 863.2 |
| 1091.8 | 1087.1 | 1061.4 | 1067.8 | 1054.3 | 1021.6 | 986.1 |
| 1336.9 | 1336.9 | 1287.3 | 1251.5 | 1220.4 | 1169.4 | 1107.0 |
| 1582.3 | 1550.2 | 1474.3 | 1413.5 | 1349.0 | 1271.1 | 1190.7 |
| 1789.6 | 1704.2 | 1627.2 | 1552.9 | 1456.1 | 1372.3 | 1259.6 |
| 1964.5 | 1883.5 | 1795.3 | 1682.2 | 1568.5 | 1451.7 | 1306.8 |
| 2181.2 | 2082.6 | 1950.3 | 1808.2 | 1668.4 | 1507.7 | 1339.9 |
| 2379.4 | 2255.8 | 2088.7 | 1908.8 | 1730.9 | 1551.6 | 1355.8 |
| 2565.7 | 2406.4 | 2200.1 | 1984.1 | 1781.5 | 1578.6 | 1362.5 |
| 2741.3 | 2527.6 | 2287.6 | 2037.7 | 1816.3 | 1593.1 | 1360.9 |
| 2857.1 | 2616.4 | 2342.6 | 2070.1 | 1837.2 | 1598.2 | 1356.1 |
| 2929.7 | 2670.7 | 2375.0 | 2088.0 | 1847.7 | 1599.2 | 1355.8 |
| 2970.5 | 2701.4 | 2392.5 | 2100.5 | 1859.1 | 1605.3 | 1363.9 |
| 3002.2 | 2725.8 | 2412.1 | 2121.8 | 1886.5 | 1633.6 | 1396.6 |
| 3032.3 | 2789.6 | 2463.1 | 2161.0 | 1934.1 | 1686.6 | 1468.5 |
| 3044.8 | 2910.8 | 2566.7 | 2233.2 | 2000.6 | 1771.7 | 1580.6 |
| 3043.8 | 2933.7 | 2596.8 | 2253.1 | 2018.2 | 1794.3 | 1609.3 |
| 3007.0 | 3006.6 | 2733.5 | 2348.3 | 2099.8 | 1899.0 | 1729.2 |
| 2897.9 | 3043.1 | 2884.8 | 2473.9 | 2226.8 | 2071.5 | 1909.4 |
| 2725.4 | 2998.9 | 2905.4 | 2507.0 | 2316.9 | 2229.8 | 2029.6 |
| 2428.3 | 2787.5 | 2712.6 | 2365.9 | 2286.2 | 2260.9 | 2032.7 |
| 1964.1 | 2241.0 | 2208.9 | 2021.2 | 2050.6 | 2102.6 | 1815.6 |
| 1582.3 | 1573.5 | 1568.8 | 1500.6 | 1625.5 | 1731.2 | 1349.7 |
| 1321.7 | 1088.7 | 1011.1 | 984.8 | 1190.7 | 1271.7 | 837.6 |
| 1235.6 | 978.0 | 784.6 | 751.5 | 892.3 | 935.5 | 505.0 |
| 944.3 | 949.7 | 822.0 | 704.6 | 694.1 | 635.4 | 370.0 |
| 462.2 | 469.9 | 496.6 | 453.4 | 388.9 | 327.8 | 116.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)