

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: P145643

Luminaire Tested: **OVH-F01-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145643
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-F01-LED-E-U-SL4-8030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2008 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

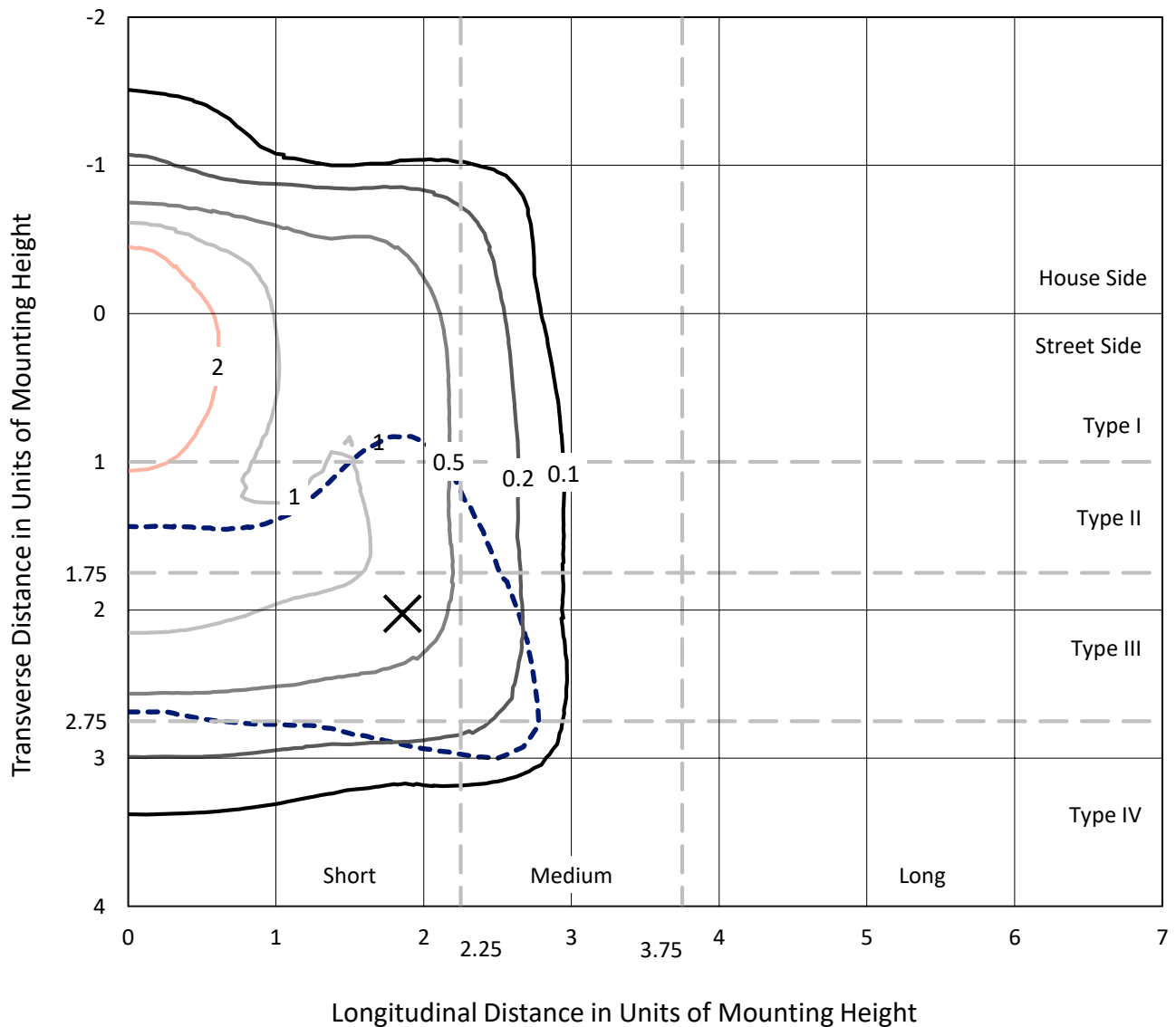


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Iso-Footcandle Lines of Horizontal Illumination

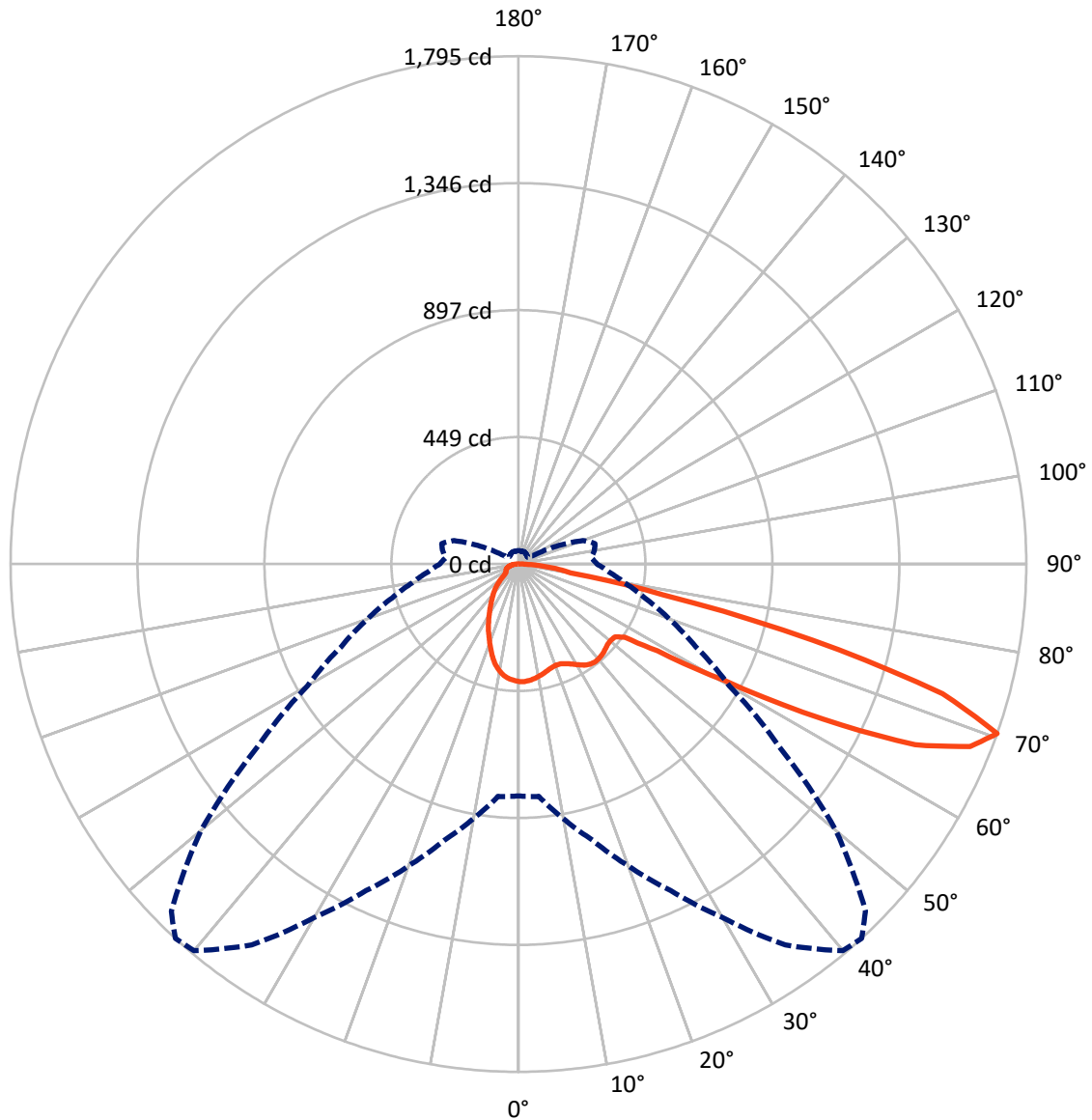
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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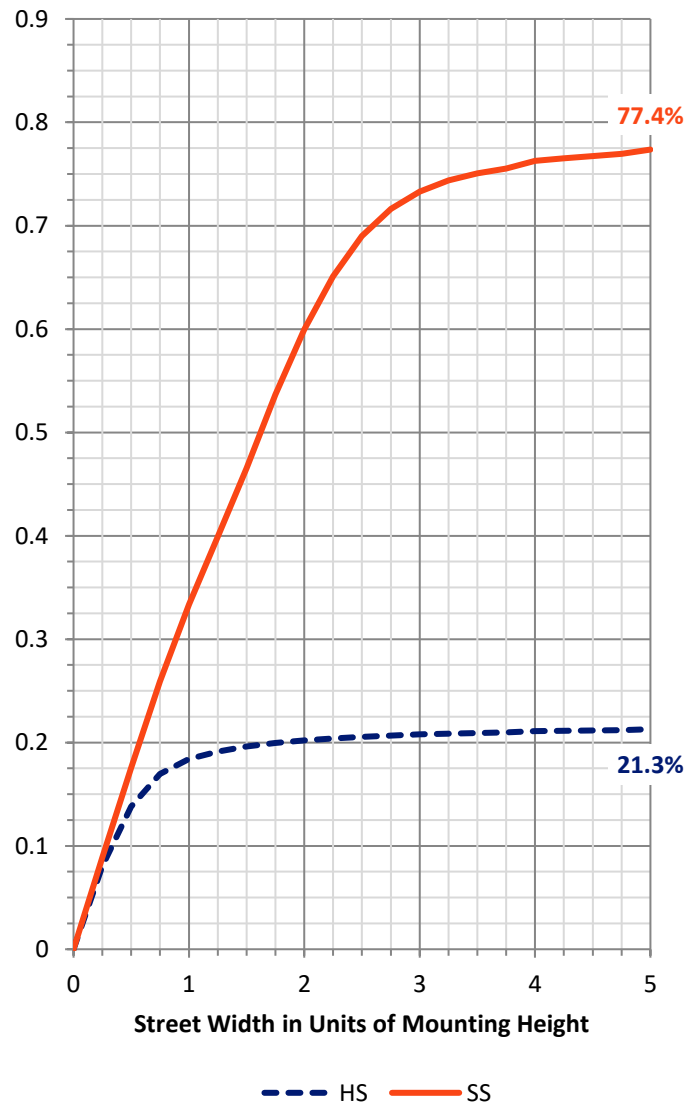
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 433.8 | 0.0 | 433.8 |
| | % Fixture | 21.6 | 0.0 | 21.6 |
| Street Side | Lumens | 1574.2 | 0.0 | 1574.2 |
| | % Fixture | 78.4 | 0.0 | 78.4 |
| Total | Lumens | 2008.0 | 0.0 | 2008.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.6 | 1.9 |
| 10°-20° | 104.1 | 5.2 |
| 20°-30° | 151.8 | 7.6 |
| 30°-40° | 193.6 | 9.6 |
| 40°-50° | 226.0 | 11.3 |
| 50°-60° | 345.6 | 17.2 |
| 60°-70° | 626.5 | 31.2 |
| 70°-80° | 278.6 | 13.9 |
| 80°-90° | 43.1 | 2.1 |
| 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° | 2008.0 | 100.0 |
| 0°-180° | 2008.0 | 100.0 |



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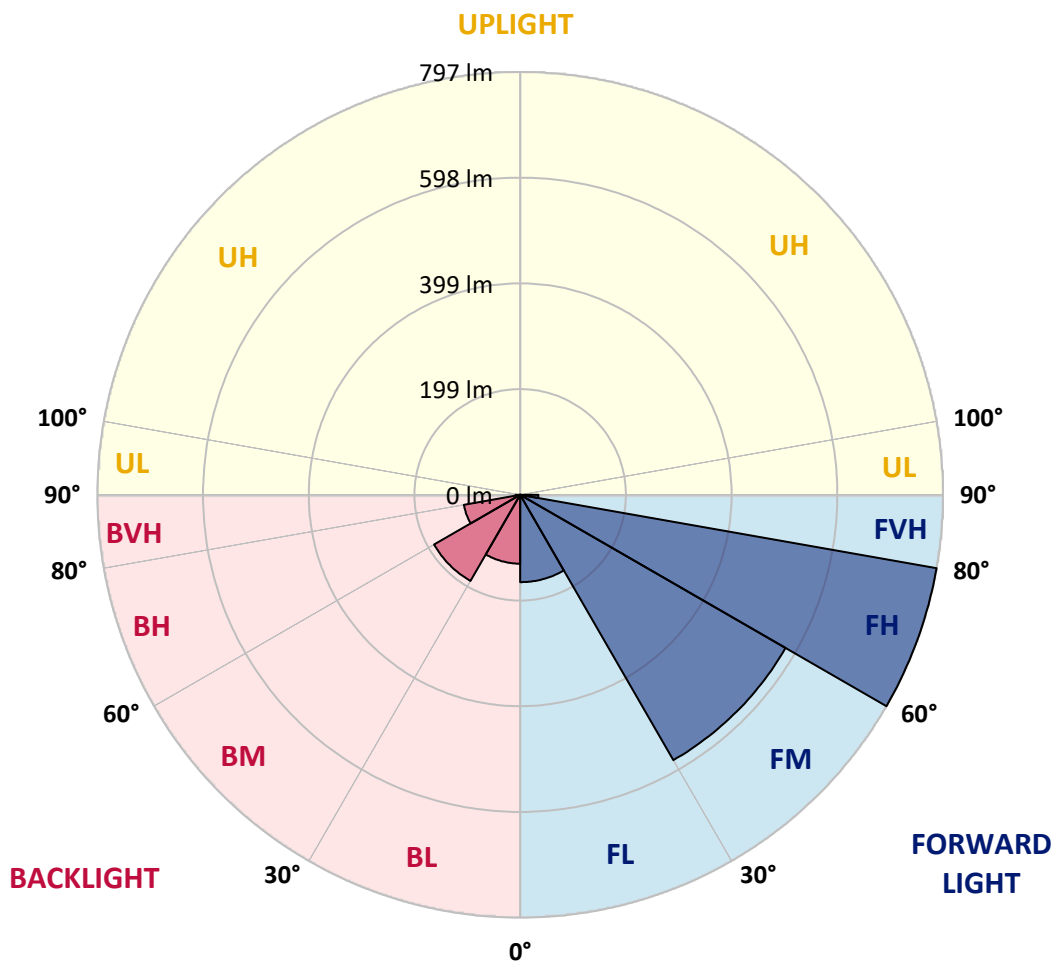
CATALOG NUMBER: OVH-F01-LED-E-U-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 164.7 | 8.2 | | | |
| FM | (30°-60°) | 577.8 | 28.8 | | | |
| FH | (60°-80°) | 797.3 | 39.7 | | | G1/1800 |
| FVH | (80°-90°) | 34.4 | 1.7 | | | G1/100 |
| BL | (0°-30°) | 129.8 | 6.5 | B1/500 | | |
| BM | (30°-60°) | 187.5 | 9.3 | B0/220 | | |
| BH | (60°-80°) | 107.8 | 5.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 8.7 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 42.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 |
| 2.5° | 417.2 | 416.8 | 417.1 | 417.3 | 417.3 | 417.5 | 416.2 | 416.4 | 415.8 | 416.0 | 416.1 |
| 5° | 415.7 | 415.3 | 415.5 | 415.5 | 415.5 | 415.4 | 413.7 | 413.6 | 412.9 | 412.9 | 412.6 |
| 7.5° | 412.7 | 411.2 | 412.0 | 412.2 | 411.9 | 411.2 | 410.2 | 409.3 | 408.8 | 408.8 | 407.9 |
| 10° | 408.3 | 406.6 | 407.0 | 407.3 | 407.2 | 405.8 | 405.4 | 404.4 | 403.3 | 402.9 | 401.7 |
| 12.5° | 402.6 | 401.5 | 402.0 | 401.9 | 401.9 | 400.6 | 399.9 | 398.5 | 397.1 | 396.4 | 395.0 |
| 15° | 399.0 | 397.6 | 398.1 | 398.1 | 397.6 | 396.3 | 395.3 | 392.8 | 390.5 | 389.6 | 387.8 |
| 17.5° | 401.2 | 399.8 | 400.3 | 399.9 | 399.0 | 396.3 | 393.8 | 389.8 | 386.0 | 383.8 | 381.4 |
| 20° | 410.1 | 408.7 | 409.1 | 408.8 | 407.5 | 403.1 | 398.5 | 391.6 | 384.6 | 381.3 | 377.6 |
| 22.5° | 424.3 | 423.2 | 423.9 | 423.5 | 421.2 | 415.7 | 408.8 | 398.8 | 388.4 | 383.3 | 378.2 |
| 25° | 445.4 | 445.1 | 446.2 | 444.9 | 441.7 | 433.4 | 423.5 | 410.0 | 396.3 | 390.0 | 382.8 |
| 27.5° | 470.7 | 468.3 | 470.0 | 468.9 | 466.7 | 456.1 | 442.7 | 425.6 | 408.1 | 399.9 | 391.3 |
| 30° | 493.6 | 491.5 | 494.5 | 494.0 | 490.6 | 479.8 | 462.9 | 442.8 | 423.2 | 412.7 | 402.9 |
| 32.5° | 520.0 | 517.4 | 519.8 | 519.8 | 514.7 | 500.1 | 480.9 | 457.9 | 437.3 | 426.1 | 414.3 |
| 35° | 547.8 | 545.0 | 547.2 | 546.5 | 537.6 | 518.2 | 494.1 | 469.2 | 446.5 | 435.0 | 422.9 |
| 37.5° | 573.6 | 573.1 | 573.7 | 569.1 | 556.7 | 531.9 | 503.0 | 475.2 | 451.1 | 439.1 | 426.4 |
| 40° | 599.3 | 598.4 | 596.0 | 587.9 | 569.8 | 540.0 | 507.6 | 477.3 | 451.3 | 438.8 | 426.0 |
| 42.5° | 615.5 | 613.7 | 609.6 | 598.6 | 575.9 | 541.9 | 506.2 | 474.1 | 448.0 | 435.2 | 422.6 |
| 45° | 621.1 | 619.3 | 614.4 | 602.0 | 576.1 | 538.9 | 500.8 | 467.6 | 441.7 | 430.0 | 417.3 |
| 47.5° | 616.5 | 615.4 | 610.9 | 598.5 | 571.6 | 533.1 | 494.0 | 461.2 | 435.7 | 424.3 | 412.5 |
| 50° | 608.7 | 608.0 | 604.1 | 592.6 | 567.4 | 529.7 | 490.8 | 458.2 | 434.1 | 423.5 | 412.3 |
| 52.5° | 628.2 | 626.1 | 619.1 | 605.6 | 576.2 | 535.9 | 495.8 | 462.8 | 438.0 | 427.2 | 415.8 |
| 55° | 868.0 | 852.5 | 818.0 | 753.2 | 662.5 | 592.1 | 532.9 | 493.0 | 466.3 | 455.8 | 444.9 |
| 57.5° | 1141.5 | 1125.4 | 1111.0 | 1061.5 | 953.8 | 820.9 | 701.3 | 631.4 | 583.4 | 578.8 | 574.5 |
| 60° | 1246.9 | 1252.0 | 1250.8 | 1232.4 | 1177.2 | 1114.1 | 1014.0 | 931.4 | 839.8 | 836.1 | 841.5 |
| 62.5° | 1319.5 | 1323.8 | 1324.4 | 1318.8 | 1300.8 | 1279.8 | 1258.9 | 1232.4 | 1215.0 | 1207.4 | 1158.8 |
| 65° | 1349.4 | 1355.7 | 1369.5 | 1379.8 | 1382.7 | 1390.0 | 1408.9 | 1481.0 | 1541.0 | 1540.6 | 1483.6 |
| 67.5° | 1235.0 | 1242.6 | 1294.8 | 1346.1 | 1389.2 | 1439.0 | 1515.8 | 1633.0 | 1723.4 | 1720.7 | 1674.0 |
| 70° | 819.6 | 824.4 | 913.1 | 1009.7 | 1135.0 | 1273.5 | 1441.3 | 1643.3 | 1783.5 | 1794.5 | 1734.3 |
| 72.5° | 502.8 | 513.6 | 542.6 | 581.8 | 648.7 | 777.0 | 1026.4 | 1371.7 | 1577.4 | 1567.1 | 1519.2 |
| 75° | 339.4 | 340.0 | 339.2 | 343.4 | 347.1 | 373.0 | 473.5 | 754.3 | 1068.5 | 1074.1 | 1053.5 |
| 77.5° | 232.0 | 235.1 | 236.8 | 235.6 | 239.4 | 238.3 | 244.1 | 258.5 | 409.5 | 522.7 | 480.3 |
| 80° | 202.8 | 204.0 | 205.8 | 203.2 | 196.2 | 192.3 | 197.7 | 192.6 | 181.4 | 187.4 | 179.5 |
| 82.5° | 128.3 | 132.1 | 132.5 | 141.7 | 155.4 | 155.9 | 162.9 | 157.7 | 143.5 | 134.2 | 122.8 |
| 85° | 92.2 | 93.6 | 96.1 | 96.7 | 92.0 | 87.9 | 90.4 | 86.1 | 77.6 | 72.6 | 64.2 |
| 87.5° | 53.8 | 55.2 | 57.7 | 56.2 | 51.4 | 45.6 | 41.1 | 35.4 | 28.0 | 26.2 | 23.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 |
| 2.5° | 416.2 | 415.5 | 415.0 | 414.7 | 415.3 | 414.7 | 414.1 | 413.9 | 413.3 | 413.4 | 412.7 |
| 5° | 412.3 | 411.4 | 410.5 | 409.8 | 410.4 | 409.4 | 408.6 | 408.0 | 407.3 | 407.2 | 406.5 |
| 7.5° | 406.9 | 405.4 | 404.2 | 403.0 | 401.6 | 400.8 | 399.8 | 398.8 | 397.3 | 397.1 | 396.9 |
| 10° | 399.8 | 398.5 | 396.3 | 394.4 | 392.4 | 390.3 | 388.2 | 386.7 | 384.9 | 384.2 | 383.2 |
| 12.5° | 392.7 | 390.2 | 387.5 | 384.5 | 382.1 | 378.7 | 376.0 | 373.0 | 370.4 | 368.7 | 366.9 |
| 15° | 384.3 | 381.7 | 377.9 | 375.0 | 371.6 | 367.9 | 364.3 | 359.9 | 355.6 | 353.0 | 350.5 |
| 17.5° | 377.1 | 373.7 | 370.7 | 366.5 | 363.1 | 358.8 | 353.4 | 348.8 | 343.6 | 339.3 | 334.7 |
| 20° | 371.5 | 367.7 | 364.1 | 360.4 | 356.3 | 351.4 | 345.4 | 338.9 | 332.3 | 326.2 | 319.4 |
| 22.5° | 369.3 | 363.3 | 359.2 | 355.8 | 351.6 | 346.0 | 339.3 | 331.2 | 323.1 | 315.3 | 307.4 |
| 25° | 371.2 | 362.3 | 356.0 | 352.1 | 348.4 | 342.7 | 335.1 | 325.9 | 316.5 | 306.6 | 297.1 |
| 27.5° | 376.5 | 365.2 | 356.3 | 350.2 | 345.9 | 340.3 | 331.9 | 322.3 | 311.6 | 300.4 | 290.3 |
| 30° | 384.2 | 370.1 | 359.0 | 350.2 | 343.8 | 337.4 | 328.3 | 317.4 | 306.1 | 294.4 | 283.0 |
| 32.5° | 392.5 | 375.5 | 362.2 | 350.6 | 340.7 | 332.6 | 323.1 | 312.6 | 300.6 | 288.2 | 275.9 |
| 35° | 398.8 | 379.4 | 363.6 | 349.1 | 336.4 | 326.2 | 316.0 | 305.7 | 294.0 | 281.5 | 269.2 |
| 37.5° | 401.5 | 381.0 | 363.3 | 345.9 | 330.4 | 319.2 | 308.7 | 298.3 | 287.1 | 275.2 | 263.9 |
| 40° | 401.6 | 381.0 | 361.6 | 341.5 | 324.1 | 312.0 | 300.9 | 291.2 | 280.6 | 270.5 | 260.4 |
| 42.5° | 399.0 | 379.0 | 358.5 | 337.5 | 319.5 | 305.9 | 294.4 | 284.5 | 276.0 | 267.0 | 258.5 |
| 45° | 394.2 | 375.1 | 355.8 | 335.3 | 317.9 | 304.3 | 292.1 | 282.7 | 275.1 | 267.0 | 259.6 |
| 47.5° | 390.6 | 372.9 | 355.9 | 338.5 | 321.9 | 308.0 | 294.7 | 284.8 | 278.3 | 271.9 | 266.6 |
| 50° | 391.3 | 373.7 | 357.6 | 341.0 | 324.7 | 310.6 | 297.8 | 289.3 | 285.4 | 283.3 | 282.0 |
| 52.5° | 394.9 | 377.1 | 364.8 | 353.8 | 348.5 | 339.9 | 332.8 | 326.4 | 327.3 | 322.3 | 315.9 |
| 55° | 432.3 | 426.3 | 440.3 | 450.5 | 455.5 | 464.3 | 477.0 | 464.9 | 463.2 | 447.7 | 401.7 |
| 57.5° | 580.4 | 594.6 | 616.2 | 631.5 | 633.1 | 630.4 | 620.0 | 609.9 | 593.6 | 570.3 | 506.0 |
| 60° | 828.8 | 825.5 | 805.4 | 778.5 | 757.6 | 730.2 | 702.6 | 679.3 | 653.1 | 617.4 | 548.9 |
| 62.5° | 1090.1 | 1009.6 | 938.1 | 877.2 | 825.5 | 779.6 | 738.0 | 703.0 | 667.1 | 615.8 | 542.8 |
| 65° | 1301.1 | 1146.1 | 1020.2 | 922.2 | 845.3 | 780.5 | 726.7 | 678.5 | 630.4 | 571.0 | 500.3 |
| 67.5° | 1451.9 | 1206.0 | 1016.0 | 878.2 | 770.3 | 681.1 | 602.8 | 547.9 | 498.6 | 451.9 | 420.0 |
| 70° | 1463.8 | 1123.1 | 859.5 | 690.9 | 566.4 | 461.7 | 380.4 | 320.5 | 277.6 | 258.2 | 272.0 |
| 72.5° | 1250.9 | 830.9 | 571.5 | 422.9 | 335.7 | 260.9 | 209.7 | 167.6 | 133.1 | 116.1 | 118.4 |
| 75° | 736.7 | 399.0 | 257.4 | 191.7 | 156.6 | 125.1 | 108.3 | 91.4 | 80.7 | 64.7 | 51.7 |
| 77.5° | 280.5 | 173.5 | 129.9 | 107.9 | 76.9 | 55.3 | 43.6 | 37.6 | 34.6 | 34.1 | 32.3 |
| 80° | 161.6 | 127.2 | 89.0 | 58.2 | 42.6 | 36.1 | 30.9 | 26.5 | 24.7 | 24.2 | 24.9 |
| 82.5° | 102.1 | 79.3 | 48.9 | 37.5 | 31.1 | 26.8 | 22.3 | 19.4 | 17.8 | 17.3 | 18.3 |
| 85° | 52.8 | 39.7 | 29.8 | 25.6 | 23.8 | 21.7 | 17.8 | 14.9 | 14.8 | 15.5 | 17.8 |
| 87.5° | 19.5 | 17.0 | 13.4 | 11.6 | 12.4 | 11.6 | 8.4 | 7.2 | 6.5 | 8.6 | 12.5 |
| 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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CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 |
| 2.5° | 412.7 | 412.5 | 412.6 | 412.3 | 412.3 | 412.7 | 412.2 | 411.8 | 412.5 | 412.5 | 412.9 |
| 5° | 406.3 | 406.6 | 406.6 | 406.5 | 406.8 | 407.5 | 407.3 | 407.3 | 408.4 | 408.8 | 409.4 |
| 7.5° | 396.2 | 396.6 | 396.7 | 397.1 | 397.3 | 398.3 | 399.0 | 399.8 | 401.5 | 401.9 | 403.1 |
| 10° | 382.4 | 382.1 | 383.1 | 382.9 | 384.2 | 385.0 | 385.6 | 387.4 | 389.9 | 391.3 | 392.5 |
| 12.5° | 366.1 | 366.1 | 366.6 | 366.8 | 367.9 | 369.0 | 369.7 | 371.9 | 374.0 | 375.8 | 378.6 |
| 15° | 348.8 | 348.2 | 347.0 | 346.8 | 347.3 | 348.4 | 349.9 | 351.6 | 354.8 | 357.4 | 359.8 |
| 17.5° | 330.7 | 329.0 | 327.5 | 325.5 | 325.4 | 325.2 | 326.1 | 327.3 | 332.3 | 335.0 | 338.3 |
| 20° | 314.6 | 311.0 | 307.4 | 303.4 | 301.0 | 299.9 | 300.3 | 302.0 | 306.7 | 310.2 | 313.7 |
| 22.5° | 300.3 | 294.9 | 289.1 | 282.7 | 278.8 | 276.5 | 276.7 | 277.4 | 280.9 | 283.0 | 284.8 |
| 25° | 288.0 | 280.5 | 272.6 | 264.3 | 258.9 | 255.3 | 255.1 | 255.1 | 253.6 | 253.9 | 252.9 |
| 27.5° | 279.7 | 269.2 | 259.0 | 249.4 | 242.3 | 238.7 | 233.8 | 230.3 | 227.3 | 223.1 | 221.3 |
| 30° | 271.6 | 260.9 | 249.3 | 238.7 | 230.2 | 223.1 | 214.0 | 206.5 | 200.5 | 194.8 | 189.9 |
| 32.5° | 264.3 | 253.2 | 242.2 | 230.6 | 218.9 | 206.7 | 194.8 | 186.2 | 177.7 | 168.9 | 163.0 |
| 35° | 257.9 | 247.5 | 236.5 | 223.4 | 206.9 | 190.9 | 177.5 | 165.8 | 155.8 | 145.2 | 136.7 |
| 37.5° | 254.3 | 244.8 | 233.4 | 215.6 | 194.9 | 176.7 | 161.8 | 148.7 | 135.3 | 122.6 | 112.2 |
| 40° | 252.5 | 244.1 | 230.2 | 207.6 | 184.2 | 164.7 | 148.1 | 132.4 | 116.6 | 101.7 | 90.9 |
| 42.5° | 252.2 | 244.1 | 225.5 | 199.5 | 175.0 | 154.1 | 135.6 | 116.6 | 97.5 | 83.1 | 73.4 |
| 45° | 254.7 | 243.9 | 220.4 | 192.3 | 166.8 | 144.6 | 122.3 | 100.1 | 80.4 | 67.7 | 62.4 |
| 47.5° | 262.0 | 244.8 | 216.5 | 186.2 | 159.0 | 134.2 | 107.3 | 81.7 | 64.9 | 59.2 | 59.1 |
| 50° | 273.7 | 249.3 | 215.7 | 181.7 | 151.3 | 121.1 | 89.6 | 65.4 | 57.3 | 57.0 | 58.5 |
| 52.5° | 292.2 | 257.7 | 217.8 | 178.6 | 142.1 | 104.1 | 70.9 | 56.4 | 54.9 | 56.4 | 58.4 |
| 55° | 333.0 | 272.6 | 220.6 | 173.2 | 127.2 | 82.5 | 58.4 | 53.5 | 54.2 | 56.0 | 57.8 |
| 57.5° | 407.3 | 303.5 | 223.5 | 160.9 | 103.1 | 63.4 | 52.5 | 52.4 | 53.6 | 55.2 | 56.9 |
| 60° | 454.4 | 341.7 | 230.6 | 142.8 | 77.9 | 52.4 | 50.3 | 51.7 | 53.2 | 54.3 | 55.7 |
| 62.5° | 455.9 | 351.7 | 234.4 | 123.5 | 58.0 | 47.9 | 48.4 | 51.0 | 52.8 | 53.2 | 53.9 |
| 65° | 426.5 | 332.8 | 217.4 | 100.5 | 48.1 | 45.4 | 47.0 | 49.3 | 51.1 | 51.4 | 52.0 |
| 67.5° | 372.6 | 293.5 | 184.2 | 75.8 | 43.8 | 43.5 | 45.1 | 47.0 | 48.2 | 49.3 | 50.2 |
| 70° | 280.6 | 242.2 | 148.1 | 58.8 | 41.1 | 40.8 | 42.5 | 44.0 | 45.1 | 46.5 | 47.9 |
| 72.5° | 142.3 | 167.6 | 112.3 | 48.1 | 37.5 | 37.8 | 39.6 | 41.0 | 41.8 | 43.1 | 44.5 |
| 75° | 48.5 | 73.2 | 71.1 | 38.9 | 33.4 | 34.6 | 35.4 | 36.9 | 38.2 | 39.0 | 39.7 |
| 77.5° | 30.4 | 31.8 | 36.6 | 31.4 | 29.5 | 29.8 | 31.2 | 32.6 | 34.0 | 34.6 | 34.8 |
| 80° | 25.4 | 25.5 | 25.6 | 25.1 | 25.2 | 26.1 | 26.9 | 28.4 | 29.8 | 30.1 | 30.2 |
| 82.5° | 20.1 | 21.5 | 21.3 | 21.2 | 21.9 | 22.7 | 23.3 | 23.8 | 24.4 | 24.7 | 25.1 |
| 85° | 17.7 | 17.4 | 17.6 | 18.0 | 17.4 | 16.9 | 16.7 | 16.7 | 17.6 | 18.5 | 19.0 |
| 87.5° | 16.2 | 13.8 | 10.3 | 9.8 | 9.8 | 9.5 | 8.9 | 8.9 | 9.8 | 10.6 | 11.0 |
| 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-F01-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 |
| 2.5° | 412.7 | 412.9 | 412.7 | 412.7 | 413.4 |
| 5° | 409.7 | 410.2 | 410.0 | 410.4 | 410.8 |
| 7.5° | 403.4 | 404.8 | 405.1 | 406.2 | 405.8 |
| 10° | 394.4 | 395.3 | 396.7 | 397.8 | 397.4 |
| 12.5° | 380.0 | 382.4 | 384.5 | 385.7 | 385.4 |
| 15° | 361.7 | 365.1 | 367.9 | 368.9 | 367.7 |
| 17.5° | 342.2 | 344.3 | 347.7 | 348.4 | 349.5 |
| 20° | 317.6 | 317.4 | 320.4 | 320.4 | 319.8 |
| 22.5° | 285.4 | 287.5 | 287.5 | 285.5 | 284.5 |
| 25° | 252.5 | 253.2 | 251.1 | 251.5 | 248.9 |
| 27.5° | 219.5 | 217.7 | 216.0 | 216.7 | 214.7 |
| 30° | 188.0 | 184.1 | 182.4 | 182.7 | 180.6 |
| 32.5° | 157.7 | 153.1 | 151.5 | 149.2 | 147.4 |
| 35° | 130.3 | 123.0 | 118.7 | 117.6 | 118.9 |
| 37.5° | 103.4 | 98.2 | 93.1 | 89.3 | 89.7 |
| 40° | 81.8 | 76.5 | 73.2 | 71.6 | 71.3 |
| 42.5° | 67.6 | 64.5 | 63.8 | 64.0 | 64.0 |
| 45° | 61.3 | 61.5 | 62.0 | 62.6 | 62.7 |
| 47.5° | 60.1 | 60.9 | 61.9 | 62.6 | 62.7 |
| 50° | 59.9 | 60.8 | 61.5 | 62.3 | 62.6 |
| 52.5° | 59.8 | 60.3 | 60.8 | 61.2 | 61.6 |
| 55° | 59.2 | 59.5 | 59.4 | 59.6 | 60.1 |
| 57.5° | 57.8 | 58.0 | 57.7 | 57.8 | 58.7 |
| 60° | 56.6 | 56.7 | 56.2 | 56.9 | 57.0 |
| 62.5° | 55.0 | 54.9 | 54.6 | 55.0 | 55.0 |
| 65° | 52.8 | 52.0 | 52.3 | 52.7 | 52.8 |
| 67.5° | 50.2 | 49.3 | 49.3 | 49.6 | 50.0 |
| 70° | 46.8 | 46.4 | 46.4 | 47.0 | 47.5 |
| 72.5° | 43.1 | 43.3 | 44.2 | 45.0 | 45.8 |
| 75° | 40.0 | 40.7 | 41.5 | 43.6 | 44.9 |
| 77.5° | 36.1 | 36.2 | 36.9 | 39.0 | 41.2 |
| 80° | 30.7 | 30.5 | 30.7 | 30.9 | 31.4 |
| 82.5° | 24.2 | 24.0 | 23.1 | 23.4 | 22.9 |
| 85° | 17.8 | 17.4 | 16.4 | 15.7 | 15.6 |
| 87.5° | 10.3 | 10.3 | 9.9 | 9.3 | 8.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)