

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: P145359

Luminaire Tested: **OVH-E03-LED-E-U-SL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145359
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-E03-LED-E-U-SL3-7030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8134.4 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

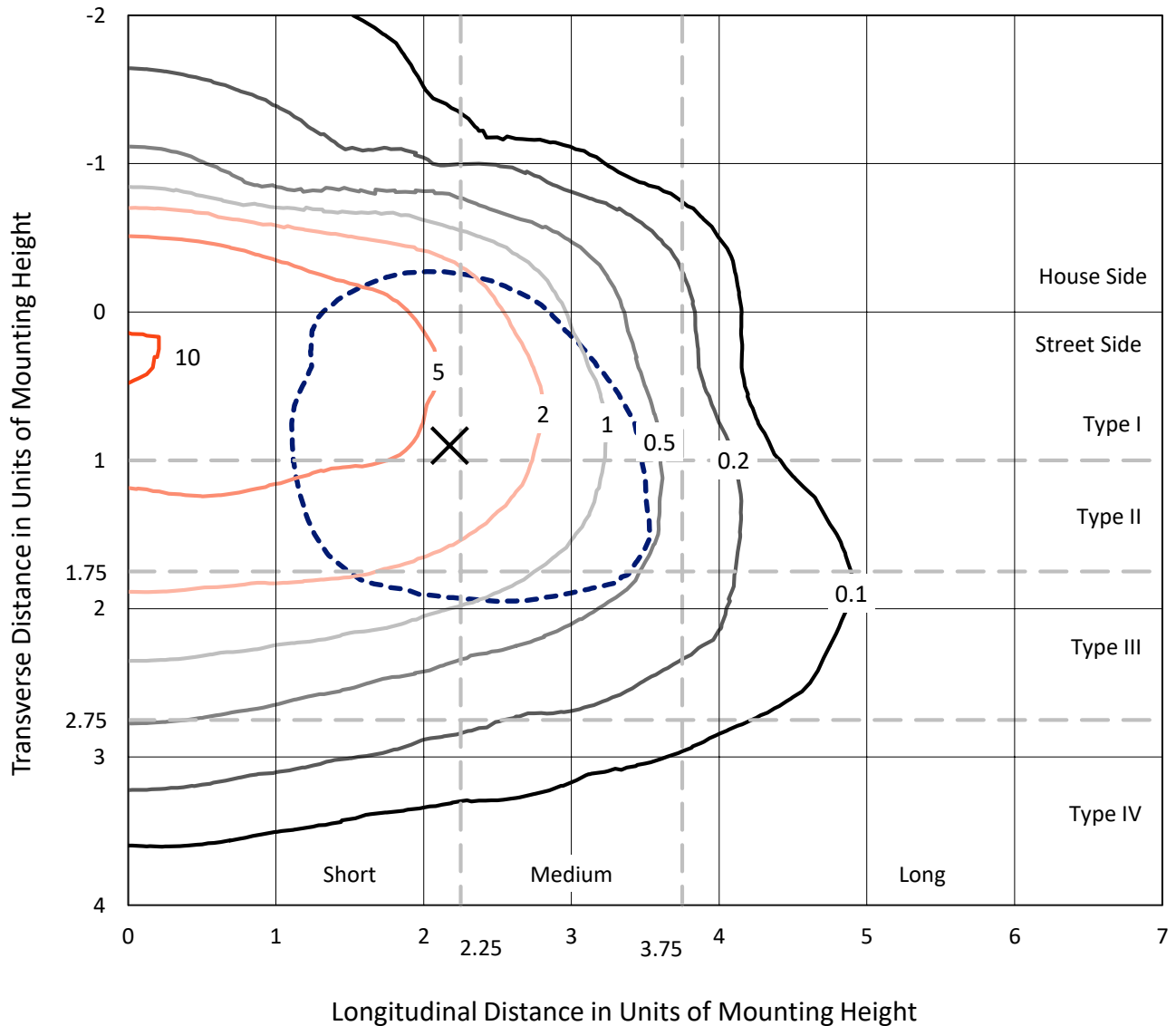
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

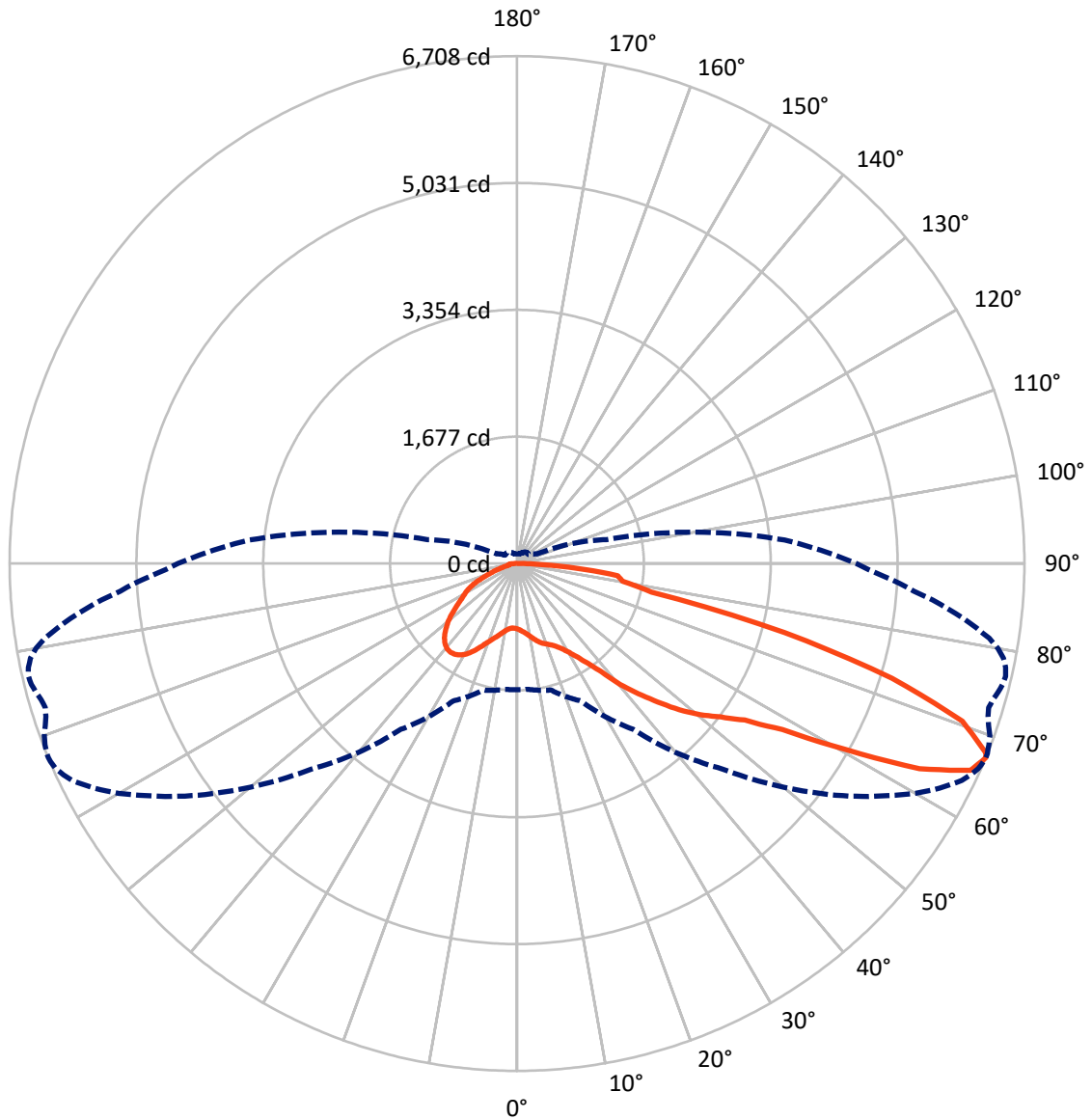
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1926.2 | 0.0 | 1926.2 |
| | % Fixture | 23.7 | 0.0 | 23.7 |
| Street Side | Lumens | 6208.2 | 0.0 | 6208.2 |
| | % Fixture | 76.3 | 0.0 | 76.3 |
| Total | Lumens | 8134.4 | 0.0 | 8134.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.4 | 1.1 |
| 10°-20° | 295.7 | 3.6 |
| 20°-30° | 526.5 | 6.5 |
| 30°-40° | 766.9 | 9.4 |
| 40°-50° | 1181.6 | 14.5 |
| 50°-60° | 1730.5 | 21.3 |
| 60°-70° | 2298.0 | 28.3 |
| 70°-80° | 1083.2 | 13.3 |
| 80°-90° | 165.6 | 2.0 |
| 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° | 8134.4 | 100.0 |
| 0°-180° | 8134.4 | 100.0 |



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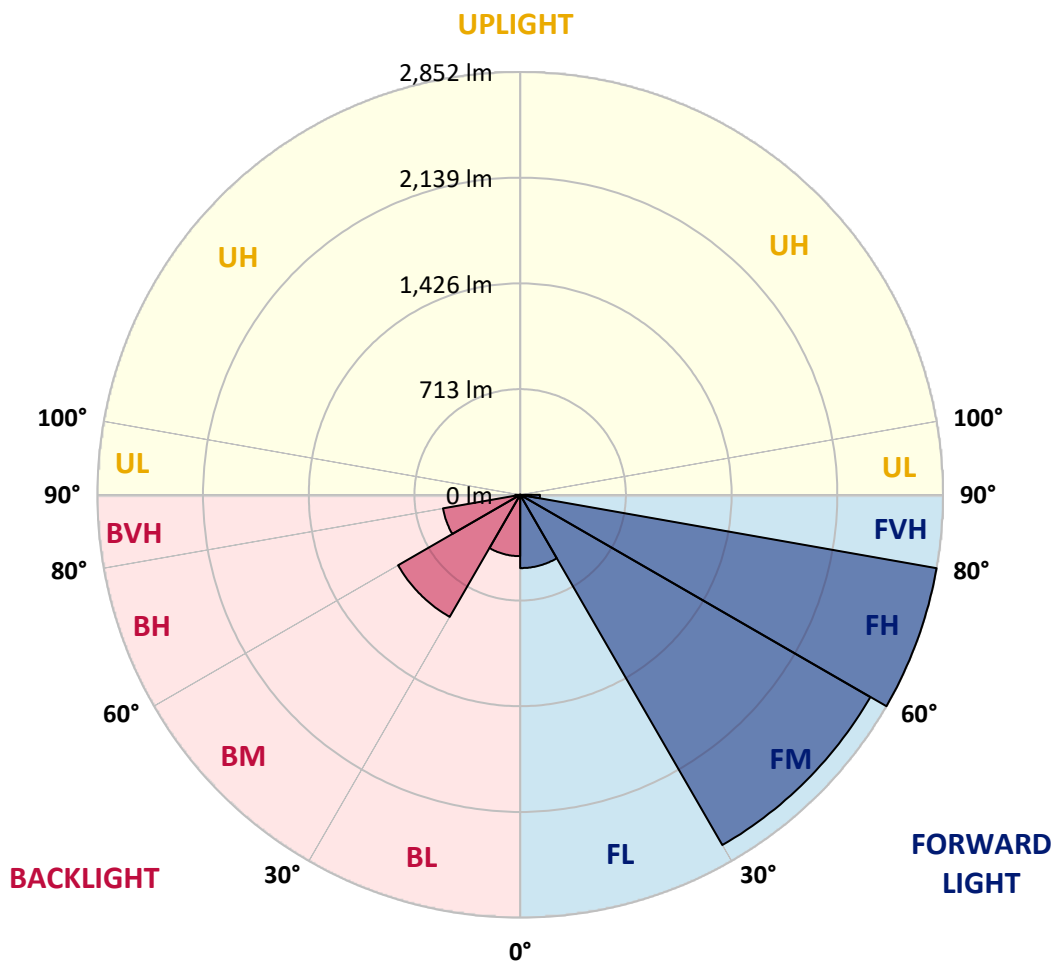
CATALOG NUMBER: OVH-E03-LED-E-U-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 494.5 | 6.1 | | | |
| FM | (30°-60°) | 2727.9 | 33.5 | | | |
| FH | (60°-80°) | 2852.4 | 35.1 | | | G2/5000 |
| FVH | (80°-90°) | 133.4 | 1.6 | | | G2/225 |
| BL | (0°-30°) | 414.1 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 951.2 | 11.7 | B1/1000 | | |
| BH | (60°-80°) | 528.8 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 32.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short





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CATALOG NUMBER: OVH-E03-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 |
| 2.5° | 908.6 | 904.8 | 905.3 | 907.0 | 901.5 | 898.7 | 892.7 | 888.9 | 888.3 | 887.8 | 885.6 |
| 5° | 961.8 | 957.9 | 959.6 | 955.2 | 944.8 | 937.6 | 925.0 | 918.5 | 917.4 | 916.3 | 913.5 |
| 7.5° | 1017.1 | 1012.2 | 1006.7 | 1001.8 | 990.3 | 978.7 | 962.3 | 952.4 | 951.3 | 949.7 | 948.1 |
| 10° | 1082.9 | 1075.7 | 1071.4 | 1056.0 | 1036.3 | 1020.4 | 1004.0 | 993.5 | 993.0 | 991.4 | 988.1 |
| 12.5° | 1156.8 | 1149.2 | 1141.0 | 1120.7 | 1090.0 | 1066.4 | 1047.2 | 1041.2 | 1036.3 | 1036.8 | 1033.5 |
| 15° | 1230.3 | 1222.1 | 1211.1 | 1185.3 | 1144.8 | 1109.7 | 1085.1 | 1076.3 | 1076.8 | 1074.1 | 1075.7 |
| 17.5° | 1292.2 | 1285.1 | 1269.2 | 1236.3 | 1189.2 | 1141.0 | 1109.7 | 1105.9 | 1107.0 | 1106.4 | 1108.1 |
| 20° | 1332.8 | 1328.4 | 1304.3 | 1264.8 | 1211.7 | 1158.5 | 1126.7 | 1126.7 | 1127.3 | 1129.4 | 1133.3 |
| 22.5° | 1357.4 | 1350.8 | 1319.1 | 1263.7 | 1211.1 | 1166.7 | 1142.1 | 1147.5 | 1150.8 | 1152.5 | 1158.5 |
| 25° | 1371.1 | 1362.9 | 1319.6 | 1246.2 | 1192.5 | 1172.7 | 1165.1 | 1178.8 | 1184.3 | 1187.0 | 1196.9 |
| 27.5° | 1371.1 | 1361.3 | 1312.5 | 1224.3 | 1171.1 | 1190.8 | 1208.9 | 1232.5 | 1236.3 | 1244.5 | 1256.0 |
| 30° | 1355.8 | 1348.1 | 1301.5 | 1207.8 | 1165.6 | 1224.8 | 1279.6 | 1306.5 | 1315.8 | 1325.1 | 1339.9 |
| 32.5° | 1339.3 | 1332.8 | 1296.0 | 1216.6 | 1196.3 | 1296.0 | 1387.6 | 1424.3 | 1429.8 | 1437.4 | 1452.8 |
| 35° | 1338.2 | 1336.0 | 1320.2 | 1272.5 | 1288.9 | 1426.5 | 1550.3 | 1575.5 | 1590.9 | 1594.7 | 1601.3 |
| 37.5° | 1349.7 | 1354.1 | 1367.8 | 1362.9 | 1422.1 | 1620.5 | 1763.5 | 1813.9 | 1826.0 | 1819.4 | 1825.4 |
| 40° | 1376.6 | 1387.6 | 1438.5 | 1501.5 | 1625.4 | 1855.0 | 2053.9 | 2112.0 | 2125.2 | 2121.3 | 2119.7 |
| 42.5° | 1461.5 | 1476.3 | 1551.4 | 1686.2 | 1836.9 | 2097.8 | 2323.6 | 2386.0 | 2390.4 | 2392.6 | 2378.4 |
| 45° | 1594.7 | 1602.9 | 1702.7 | 1874.7 | 2066.0 | 2359.2 | 2592.6 | 2662.2 | 2659.5 | 2648.5 | 2638.1 |
| 47.5° | 1746.0 | 1762.9 | 1882.4 | 2090.7 | 2302.7 | 2600.9 | 2865.0 | 2933.0 | 2939.0 | 2929.1 | 2909.9 |
| 50° | 1883.5 | 1896.7 | 2031.5 | 2278.6 | 2511.5 | 2802.0 | 3094.6 | 3163.1 | 3162.0 | 3167.5 | 3173.0 |
| 52.5° | 1992.0 | 2004.1 | 2132.3 | 2404.1 | 2665.0 | 2970.8 | 3267.8 | 3352.2 | 3365.3 | 3374.1 | 3385.1 |
| 55° | 2047.9 | 2060.5 | 2178.9 | 2456.2 | 2758.1 | 3135.7 | 3467.8 | 3588.9 | 3611.4 | 3631.1 | 3649.2 |
| 57.5° | 2049.0 | 2065.5 | 2174.0 | 2452.3 | 2806.4 | 3283.1 | 3732.5 | 3950.1 | 3981.8 | 4032.3 | 4094.2 |
| 60° | 2015.6 | 2038.6 | 2136.1 | 2416.7 | 2861.7 | 3470.0 | 4168.7 | 4585.2 | 4647.7 | 4735.9 | 4815.4 |
| 62.5° | 1928.4 | 1951.5 | 2038.6 | 2326.3 | 2926.4 | 3709.5 | 4798.9 | 5409.4 | 5542.6 | 5640.1 | 5797.4 |
| 65° | 1790.9 | 1812.8 | 1886.3 | 2176.7 | 2874.9 | 3898.5 | 5268.6 | 6000.7 | 6136.6 | 6258.8 | 6443.5 |
| 67° | 1668.1 | 1670.3 | 1732.3 | 2005.2 | 2674.3 | 3839.9 | 5362.8 | 6079.6 | 6205.1 | 6329.0 | 6543.2 |
| 67.5° | 1624.9 | 1636.9 | 1685.1 | 1948.2 | 2598.1 | 3796.6 | 5325.6 | 6036.9 | 6158.5 | 6290.6 | 6509.3 |
| 70° | 1313.6 | 1316.9 | 1363.4 | 1554.2 | 2061.6 | 3147.8 | 4783.6 | 5491.6 | 5574.9 | 5768.4 | 5983.2 |
| 72.5° | 801.2 | 795.7 | 810.5 | 951.9 | 1356.9 | 2180.0 | 3830.0 | 4521.1 | 4635.1 | 4800.0 | 4945.2 |
| 75° | 441.1 | 467.5 | 485.5 | 583.6 | 762.3 | 1281.8 | 2608.0 | 3271.1 | 3438.2 | 3536.3 | 3565.4 |
| 77.5° | 269.6 | 267.4 | 275.6 | 376.5 | 625.3 | 876.8 | 1440.7 | 1919.1 | 2012.3 | 2040.2 | 1932.3 |
| 80° | 128.2 | 133.2 | 131.5 | 155.1 | 303.0 | 739.8 | 1007.2 | 1232.5 | 1279.6 | 1306.5 | 1341.5 |
| 82.5° | 70.1 | 72.9 | 82.7 | 92.6 | 119.5 | 318.4 | 869.1 | 1136.6 | 1168.4 | 1214.4 | 1265.9 |
| 85° | 43.8 | 46.0 | 63.6 | 66.9 | 73.4 | 98.1 | 362.2 | 664.2 | 691.0 | 782.6 | 811.6 |
| 87.5° | 18.1 | 19.7 | 34.5 | 31.2 | 37.3 | 34.5 | 109.6 | 168.8 | 179.2 | 190.7 | 211.5 |
| 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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CATALOG NUMBER: OVH-E03-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 67.5° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 |
| 2.5° | 886.1 | 885.6 | 883.4 | 882.8 | 883.9 | 883.9 | 882.8 | 881.2 | 880.7 | 880.1 | 879.0 |
| 5° | 912.4 | 911.3 | 909.7 | 908.6 | 908.1 | 908.1 | 906.4 | 904.8 | 903.1 | 900.9 | 900.4 |
| 7.5° | 943.7 | 943.7 | 943.1 | 941.5 | 939.8 | 937.6 | 936.0 | 934.4 | 932.7 | 931.6 | 930.0 |
| 10° | 984.8 | 987.0 | 983.1 | 982.0 | 981.5 | 978.2 | 977.7 | 976.0 | 974.9 | 972.2 | 972.2 |
| 12.5° | 1033.5 | 1031.4 | 1030.8 | 1028.6 | 1028.6 | 1027.0 | 1026.4 | 1025.9 | 1024.8 | 1022.6 | 1022.0 |
| 15° | 1074.1 | 1074.1 | 1073.6 | 1072.5 | 1073.6 | 1072.5 | 1070.8 | 1071.9 | 1070.3 | 1070.8 | 1069.2 |
| 17.5° | 1107.0 | 1109.2 | 1108.6 | 1109.2 | 1108.6 | 1108.6 | 1109.7 | 1109.7 | 1110.8 | 1108.6 | 1109.2 |
| 20° | 1134.4 | 1137.7 | 1139.3 | 1138.2 | 1139.3 | 1139.9 | 1142.6 | 1143.7 | 1145.3 | 1146.4 | 1146.4 |
| 22.5° | 1162.9 | 1167.3 | 1170.5 | 1170.5 | 1172.7 | 1174.9 | 1179.9 | 1181.0 | 1184.8 | 1184.3 | 1187.0 |
| 25° | 1202.9 | 1210.0 | 1212.2 | 1215.5 | 1218.2 | 1222.1 | 1228.1 | 1230.8 | 1232.5 | 1236.3 | 1240.7 |
| 27.5° | 1264.3 | 1273.0 | 1274.7 | 1278.5 | 1285.6 | 1287.8 | 1294.4 | 1297.1 | 1303.2 | 1311.4 | 1313.0 |
| 30° | 1348.1 | 1359.1 | 1359.6 | 1364.0 | 1372.2 | 1375.0 | 1380.4 | 1387.6 | 1392.5 | 1400.7 | 1401.3 |
| 32.5° | 1462.1 | 1473.1 | 1471.4 | 1479.6 | 1479.1 | 1487.3 | 1485.7 | 1496.6 | 1501.0 | 1505.4 | 1517.4 |
| 35° | 1613.9 | 1612.8 | 1621.0 | 1623.8 | 1622.1 | 1628.7 | 1627.6 | 1632.5 | 1636.9 | 1636.9 | 1650.1 |
| 37.5° | 1832.5 | 1830.9 | 1829.8 | 1818.3 | 1815.6 | 1816.1 | 1813.9 | 1818.3 | 1811.2 | 1811.2 | 1825.4 |
| 40° | 2125.7 | 2115.9 | 2108.2 | 2100.5 | 2092.9 | 2082.4 | 2073.7 | 2071.5 | 2059.4 | 2058.9 | 2053.4 |
| 42.5° | 2380.6 | 2371.2 | 2365.8 | 2351.0 | 2343.3 | 2341.6 | 2320.3 | 2314.2 | 2311.0 | 2313.2 | 2307.7 |
| 45° | 2648.0 | 2638.1 | 2617.3 | 2610.7 | 2608.5 | 2597.0 | 2593.7 | 2578.9 | 2574.6 | 2582.2 | 2579.5 |
| 47.5° | 2923.6 | 2909.4 | 2897.9 | 2890.2 | 2887.5 | 2877.6 | 2863.4 | 2875.4 | 2869.4 | 2865.0 | 2856.8 |
| 50° | 3171.3 | 3155.4 | 3155.4 | 3141.7 | 3143.9 | 3137.4 | 3122.6 | 3125.9 | 3108.9 | 3115.4 | 3111.1 |
| 52.5° | 3379.0 | 3380.1 | 3385.6 | 3370.3 | 3373.0 | 3373.0 | 3368.1 | 3352.2 | 3356.6 | 3354.4 | 3364.8 |
| 55° | 3643.2 | 3661.3 | 3651.4 | 3654.1 | 3657.4 | 3672.8 | 3683.7 | 3674.4 | 3659.1 | 3671.1 | 3704.5 |
| 57.5° | 4105.1 | 4121.6 | 4131.4 | 4139.1 | 4151.7 | 4158.8 | 4218.0 | 4226.3 | 4208.7 | 4244.9 | 4319.4 |
| 60° | 4908.5 | 4928.3 | 4957.8 | 4996.8 | 5005.0 | 5054.8 | 5085.5 | 5121.7 | 5134.9 | 5166.1 | 5246.1 |
| 62.5° | 5874.7 | 5919.1 | 5924.5 | 5973.9 | 6012.2 | 5965.6 | 5977.7 | 6022.1 | 5971.7 | 6040.7 | 6044.0 |
| 65° | 6507.1 | 6571.7 | 6573.9 | 6592.0 | 6606.3 | 6562.4 | 6542.7 | 6523.0 | 6475.3 | 6472.5 | 6520.2 |
| 67° | 6615.6 | 6674.8 | 6699.4 | 6708.2 | 6706.0 | 6683.5 | 6651.2 | 6594.2 | 6548.2 | 6521.9 | 6541.6 |
| 67.5° | 6584.9 | 6643.0 | 6677.5 | 6685.7 | 6686.3 | 6664.4 | 6634.8 | 6572.8 | 6529.5 | 6499.9 | 6520.8 |
| 70° | 6080.7 | 6216.6 | 6275.8 | 6245.1 | 6262.7 | 6262.7 | 6261.6 | 6204.6 | 6183.2 | 6154.7 | 6143.7 |
| 72.5° | 5055.9 | 5150.2 | 5225.3 | 5185.3 | 5190.2 | 5227.5 | 5218.7 | 5224.7 | 5163.4 | 5156.8 | 5055.4 |
| 75° | 3621.8 | 3651.9 | 3626.7 | 3655.2 | 3501.8 | 3447.0 | 3353.8 | 3217.9 | 3182.3 | 3125.9 | 2957.1 |
| 77.5° | 1924.1 | 1890.1 | 1822.7 | 1817.2 | 1754.2 | 1705.4 | 1645.1 | 1605.7 | 1505.9 | 1450.6 | 1324.0 |
| 80° | 1359.1 | 1375.5 | 1401.3 | 1416.6 | 1430.9 | 1441.8 | 1419.3 | 1356.3 | 1273.0 | 1179.9 | 1091.6 |
| 82.5° | 1298.2 | 1320.7 | 1336.0 | 1343.7 | 1338.2 | 1320.7 | 1269.2 | 1208.9 | 1097.7 | 1017.1 | 921.8 |
| 85° | 818.7 | 836.8 | 805.6 | 799.0 | 812.7 | 702.0 | 641.2 | 591.9 | 479.5 | 446.1 | 394.0 |
| 87.5° | 219.8 | 231.8 | 232.4 | 225.2 | 220.8 | 194.5 | 172.1 | 152.3 | 126.0 | 118.4 | 95.9 |
| 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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CANDELA DISTRIBUTION (continued):

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 |
| 2.5° | 879.0 | 878.5 | 878.5 | 876.8 | 875.7 | 875.2 | 874.6 | 873.0 | 871.9 | 871.9 | 871.3 |
| 5° | 899.8 | 898.7 | 897.1 | 896.5 | 894.4 | 893.3 | 891.1 | 890.0 | 888.3 | 887.2 | 886.7 |
| 7.5° | 929.4 | 926.7 | 923.4 | 923.9 | 920.7 | 919.0 | 917.9 | 915.7 | 914.1 | 912.4 | 911.9 |
| 10° | 968.9 | 968.3 | 965.0 | 966.1 | 960.1 | 962.9 | 957.4 | 957.9 | 954.6 | 951.3 | 950.8 |
| 12.5° | 1019.3 | 1018.8 | 1015.5 | 1011.6 | 1010.5 | 1011.1 | 1007.8 | 1008.3 | 1004.5 | 1003.4 | 1002.3 |
| 15° | 1067.5 | 1066.4 | 1064.8 | 1062.0 | 1060.4 | 1059.9 | 1058.8 | 1057.7 | 1054.4 | 1054.4 | 1050.5 |
| 17.5° | 1109.2 | 1109.7 | 1107.5 | 1105.3 | 1104.2 | 1102.6 | 1102.0 | 1102.0 | 1099.3 | 1096.6 | 1097.1 |
| 20° | 1145.9 | 1147.0 | 1147.0 | 1145.3 | 1145.9 | 1144.8 | 1144.2 | 1145.3 | 1142.6 | 1141.5 | 1139.9 |
| 22.5° | 1187.0 | 1187.0 | 1187.5 | 1188.6 | 1190.3 | 1190.8 | 1190.8 | 1189.7 | 1188.1 | 1187.5 | 1184.3 |
| 25° | 1244.0 | 1241.8 | 1244.5 | 1245.6 | 1245.6 | 1248.4 | 1247.3 | 1247.8 | 1248.4 | 1246.7 | 1245.1 |
| 27.5° | 1315.8 | 1313.6 | 1319.1 | 1322.9 | 1322.3 | 1324.0 | 1327.3 | 1323.4 | 1325.6 | 1327.3 | 1323.4 |
| 30° | 1404.0 | 1409.5 | 1413.3 | 1416.1 | 1415.0 | 1419.9 | 1421.5 | 1421.0 | 1419.3 | 1422.1 | 1422.1 |
| 32.5° | 1516.3 | 1513.6 | 1523.5 | 1529.5 | 1530.0 | 1528.9 | 1531.7 | 1535.0 | 1532.2 | 1536.6 | 1534.4 |
| 35° | 1650.1 | 1651.7 | 1653.9 | 1660.5 | 1663.2 | 1658.8 | 1663.2 | 1667.0 | 1666.0 | 1666.5 | 1668.7 |
| 37.5° | 1822.7 | 1825.4 | 1823.2 | 1823.8 | 1822.7 | 1843.5 | 1846.8 | 1850.1 | 1846.2 | 1843.0 | 1852.8 |
| 40° | 2062.2 | 2062.2 | 2061.6 | 2068.7 | 2056.7 | 2069.8 | 2066.0 | 2075.3 | 2085.2 | 2079.7 | 2094.5 |
| 42.5° | 2297.8 | 2311.0 | 2312.1 | 2301.6 | 2310.4 | 2324.7 | 2324.7 | 2330.7 | 2339.5 | 2330.7 | 2344.9 |
| 45° | 2568.0 | 2584.4 | 2581.7 | 2599.2 | 2586.1 | 2602.5 | 2605.2 | 2597.6 | 2616.7 | 2618.9 | 2613.5 |
| 47.5° | 2862.8 | 2866.1 | 2866.6 | 2872.7 | 2875.4 | 2888.6 | 2888.0 | 2902.3 | 2897.9 | 2876.0 | 2883.6 |
| 50° | 3115.4 | 3123.7 | 3128.0 | 3131.9 | 3145.6 | 3154.9 | 3167.5 | 3169.7 | 3166.4 | 3159.8 | 3153.8 |
| 52.5° | 3368.1 | 3387.8 | 3400.4 | 3434.4 | 3455.8 | 3472.7 | 3493.6 | 3501.2 | 3497.4 | 3495.8 | 3471.6 |
| 55° | 3706.2 | 3753.3 | 3826.2 | 3873.3 | 3924.8 | 3955.0 | 3979.1 | 3991.2 | 3982.4 | 3986.8 | 3936.9 |
| 57.5° | 4343.0 | 4453.7 | 4517.2 | 4597.8 | 4688.8 | 4726.6 | 4737.0 | 4779.7 | 4732.6 | 4685.5 | 4647.7 |
| 60° | 5289.4 | 5391.3 | 5507.0 | 5589.7 | 5620.4 | 5725.1 | 5675.7 | 5620.4 | 5570.0 | 5472.4 | 5362.3 |
| 62.5° | 6143.7 | 6275.3 | 6334.4 | 6411.7 | 6390.9 | 6382.1 | 6349.2 | 6261.0 | 6153.1 | 6007.8 | 5861.0 |
| 65° | 6565.2 | 6639.1 | 6675.9 | 6701.1 | 6677.5 | 6616.7 | 6508.2 | 6377.7 | 6223.2 | 6035.2 | 5842.3 |
| 67° | 6582.2 | 6616.1 | 6628.2 | 6604.1 | 6551.5 | 6456.7 | 6319.7 | 6135.0 | 5944.8 | 5729.4 | 5512.4 |
| 67.5° | 6554.2 | 6576.7 | 6582.7 | 6544.9 | 6482.4 | 6379.9 | 6233.6 | 6036.3 | 5834.1 | 5610.5 | 5392.4 |
| 70° | 6172.8 | 6156.3 | 6103.2 | 6051.1 | 5856.0 | 5718.5 | 5463.7 | 5253.2 | 4972.6 | 4767.1 | 4534.2 |
| 72.5° | 5014.8 | 4939.8 | 4888.3 | 4658.1 | 4422.4 | 4286.0 | 4012.0 | 3760.4 | 3504.5 | 3308.9 | 3165.9 |
| 75° | 2815.1 | 2760.3 | 2617.3 | 2495.6 | 2301.1 | 2123.0 | 1995.3 | 1835.3 | 1681.8 | 1590.9 | 1524.0 |
| 77.5° | 1271.9 | 1115.2 | 1007.2 | 870.8 | 703.6 | 565.5 | 419.8 | 388.0 | 331.0 | 316.7 | 285.5 |
| 80° | 992.4 | 880.1 | 738.7 | 582.5 | 411.0 | 276.2 | 202.8 | 172.1 | 161.7 | 155.1 | 151.8 |
| 82.5° | 828.0 | 682.3 | 574.3 | 407.7 | 260.9 | 175.4 | 132.1 | 119.5 | 111.8 | 106.3 | 101.4 |
| 85° | 354.0 | 280.0 | 230.7 | 165.0 | 117.3 | 92.6 | 81.1 | 74.0 | 66.9 | 60.8 | 57.0 |
| 87.5° | 82.7 | 63.6 | 58.1 | 49.3 | 46.6 | 46.0 | 45.5 | 43.3 | 40.6 | 37.3 | 33.4 |
| 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-E03-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

| | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 | 865.3 |
| 2.5° | 870.8 | 870.2 | 869.1 | 867.5 | 867.5 | 865.3 | 858.2 | 853.3 | 847.8 | 844.5 | 841.2 |
| 5° | 885.6 | 885.0 | 882.3 | 880.7 | 879.6 | 875.2 | 863.1 | 853.8 | 843.9 | 836.8 | 831.3 |
| 7.5° | 910.2 | 908.6 | 906.4 | 905.3 | 902.0 | 896.5 | 879.0 | 865.9 | 851.6 | 840.1 | 830.8 |
| 10° | 950.2 | 947.5 | 944.2 | 940.9 | 942.0 | 933.3 | 913.0 | 893.8 | 873.0 | 854.9 | 842.3 |
| 12.5° | 999.0 | 999.0 | 997.4 | 995.2 | 991.4 | 981.5 | 954.1 | 931.6 | 906.4 | 883.9 | 874.6 |
| 15° | 1050.5 | 1047.8 | 1045.1 | 1041.8 | 1041.2 | 1028.1 | 1003.4 | 977.7 | 951.3 | 932.2 | 921.2 |
| 17.5° | 1092.7 | 1093.8 | 1090.0 | 1088.9 | 1087.8 | 1074.6 | 1048.3 | 1025.3 | 1006.1 | 985.9 | 968.3 |
| 20° | 1137.7 | 1135.5 | 1134.4 | 1132.7 | 1132.2 | 1121.2 | 1100.4 | 1086.2 | 1069.2 | 1038.5 | 992.4 |
| 22.5° | 1185.9 | 1183.2 | 1184.3 | 1181.0 | 1180.4 | 1172.7 | 1157.4 | 1153.0 | 1127.8 | 1063.1 | 983.1 |
| 25° | 1248.4 | 1243.4 | 1245.1 | 1245.1 | 1245.6 | 1238.5 | 1236.9 | 1229.2 | 1165.6 | 1057.1 | 945.9 |
| 27.5° | 1322.9 | 1325.1 | 1325.1 | 1324.5 | 1320.7 | 1322.9 | 1330.6 | 1304.3 | 1178.8 | 1025.3 | 890.0 |
| 30° | 1419.9 | 1421.0 | 1422.1 | 1425.9 | 1417.7 | 1432.0 | 1441.3 | 1357.4 | 1168.9 | 981.5 | 819.8 |
| 32.5° | 1537.7 | 1533.3 | 1535.5 | 1537.7 | 1540.5 | 1555.3 | 1549.8 | 1384.3 | 1139.9 | 921.8 | 732.7 |
| 35° | 1667.6 | 1675.8 | 1678.0 | 1682.9 | 1688.4 | 1710.9 | 1647.9 | 1389.8 | 1095.5 | 841.7 | 621.4 |
| 37.5° | 1861.0 | 1874.2 | 1874.2 | 1891.7 | 1881.3 | 1908.7 | 1735.5 | 1376.6 | 1028.1 | 730.5 | 495.9 |
| 40° | 2104.9 | 2110.9 | 2117.0 | 2119.2 | 2113.7 | 2110.4 | 1793.1 | 1344.3 | 933.3 | 590.8 | 362.8 |
| 42.5° | 2353.7 | 2351.5 | 2352.1 | 2355.9 | 2341.1 | 2279.2 | 1828.7 | 1287.8 | 815.4 | 441.1 | 260.3 |
| 45° | 2621.7 | 2612.4 | 2609.6 | 2602.0 | 2588.8 | 2458.4 | 1849.0 | 1208.4 | 660.4 | 310.2 | 204.4 |
| 47.5° | 2882.5 | 2871.0 | 2853.5 | 2832.1 | 2806.9 | 2602.5 | 1846.8 | 1105.3 | 506.4 | 221.9 | 180.3 |
| 50° | 3150.0 | 3129.7 | 3091.9 | 3071.0 | 3028.3 | 2745.5 | 1834.2 | 990.8 | 364.4 | 183.6 | 168.8 |
| 52.5° | 3455.8 | 3419.6 | 3384.5 | 3342.9 | 3272.2 | 2921.4 | 1815.0 | 862.0 | 265.8 | 168.2 | 161.1 |
| 55° | 3911.7 | 3852.5 | 3795.0 | 3708.4 | 3639.9 | 3157.1 | 1782.7 | 723.4 | 209.9 | 162.2 | 156.7 |
| 57.5° | 4540.3 | 4439.4 | 4366.5 | 4249.8 | 4140.2 | 3483.2 | 1748.2 | 597.3 | 187.4 | 160.6 | 154.5 |
| 60° | 5247.7 | 5095.9 | 4960.0 | 4816.5 | 4691.5 | 3890.3 | 1730.1 | 498.7 | 182.5 | 162.2 | 155.1 |
| 62.5° | 5691.6 | 5512.4 | 5342.6 | 5167.2 | 4987.4 | 4084.9 | 1651.7 | 430.7 | 184.7 | 169.3 | 159.5 |
| 65° | 5635.7 | 5437.9 | 5253.2 | 5039.5 | 4870.2 | 3901.3 | 1452.2 | 364.4 | 188.5 | 181.9 | 171.5 |
| 67° | 5258.7 | 5066.9 | 4856.5 | 4647.1 | 4482.7 | 3552.2 | 1225.9 | 306.9 | 192.9 | 196.2 | 184.7 |
| 67.5° | 5157.9 | 4942.0 | 4729.9 | 4537.5 | 4359.4 | 3444.2 | 1166.7 | 292.6 | 194.0 | 200.0 | 189.1 |
| 70° | 4301.3 | 4130.4 | 3882.1 | 3739.6 | 3610.8 | 2792.1 | 870.2 | 227.4 | 197.3 | 217.0 | 209.9 |
| 72.5° | 3009.7 | 2844.2 | 2714.3 | 2636.5 | 2561.4 | 2028.7 | 612.1 | 181.4 | 192.4 | 226.3 | 219.2 |
| 75° | 1520.2 | 1482.4 | 1436.9 | 1411.7 | 1412.8 | 1179.3 | 368.8 | 154.5 | 180.8 | 217.0 | 198.9 |
| 77.5° | 300.3 | 292.6 | 295.9 | 323.9 | 318.9 | 363.3 | 183.0 | 131.0 | 154.0 | 167.1 | 143.0 |
| 80° | 145.2 | 140.3 | 135.9 | 134.8 | 132.1 | 126.6 | 115.1 | 109.1 | 124.9 | 110.2 | 94.8 |
| 82.5° | 94.3 | 88.8 | 86.6 | 82.2 | 82.7 | 89.9 | 100.3 | 104.7 | 101.4 | 76.2 | 64.1 |
| 85° | 53.2 | 52.6 | 51.5 | 52.6 | 54.8 | 71.8 | 107.4 | 98.1 | 81.7 | 53.7 | 48.2 |
| 87.5° | 31.8 | 30.1 | 30.7 | 31.2 | 32.3 | 53.2 | 84.9 | 70.7 | 52.1 | 27.9 | 28.5 |
| 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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CATALOG NUMBER: OVH-E03-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 865.3 | 865.3 | 865.3 | 865.3 |
| 2.5° | 840.6 | 838.5 | 838.5 | 837.9 |
| 5° | 826.9 | 823.7 | 823.1 | 823.1 |
| 7.5° | 824.8 | 820.4 | 819.8 | 818.2 |
| 10° | 834.6 | 833.0 | 833.5 | 831.9 |
| 12.5° | 865.9 | 868.0 | 870.2 | 870.2 |
| 15° | 913.5 | 911.9 | 914.6 | 911.9 |
| 17.5° | 948.6 | 934.4 | 931.1 | 929.4 |
| 20° | 949.7 | 920.1 | 910.2 | 908.6 |
| 22.5° | 915.7 | 871.9 | 855.4 | 852.7 |
| 25° | 858.2 | 802.8 | 782.0 | 779.8 |
| 27.5° | 785.8 | 723.9 | 693.2 | 692.1 |
| 30° | 698.7 | 625.3 | 586.4 | 580.3 |
| 32.5° | 592.4 | 505.3 | 464.2 | 451.0 |
| 35° | 469.6 | 380.3 | 342.0 | 340.9 |
| 37.5° | 350.7 | 281.1 | 256.5 | 255.4 |
| 40° | 257.0 | 220.8 | 211.5 | 209.9 |
| 42.5° | 209.9 | 195.1 | 191.3 | 189.6 |
| 45° | 188.0 | 181.9 | 179.7 | 178.1 |
| 47.5° | 174.8 | 171.0 | 169.3 | 169.3 |
| 50° | 164.4 | 163.3 | 162.2 | 162.2 |
| 52.5° | 157.3 | 156.7 | 155.6 | 155.1 |
| 55° | 151.3 | 149.1 | 149.6 | 149.1 |
| 57.5° | 147.4 | 144.1 | 144.1 | 144.1 |
| 60° | 145.2 | 139.2 | 139.2 | 139.7 |
| 62.5° | 145.8 | 136.5 | 135.9 | 135.9 |
| 65° | 150.2 | 134.8 | 131.5 | 132.1 |
| 67° | 155.6 | 133.2 | 126.6 | 126.0 |
| 67.5° | 157.3 | 132.1 | 124.9 | 124.4 |
| 70° | 163.9 | 128.8 | 116.7 | 115.6 |
| 72.5° | 165.0 | 123.9 | 108.5 | 107.4 |
| 75° | 153.4 | 117.3 | 101.9 | 99.2 |
| 77.5° | 119.5 | 100.8 | 92.1 | 92.1 |
| 80° | 83.8 | 77.3 | 65.8 | 65.2 |
| 82.5° | 61.4 | 58.1 | 48.2 | 47.1 |
| 85° | 44.9 | 42.2 | 35.6 | 35.6 |
| 87.5° | 27.9 | 26.9 | 23.0 | 21.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)