

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: P151482

Luminaire Tested: **AVS-E04-LED-E-U-SL3-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P151482
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E04-LED-E-U-SL3-7060
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12461.7 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

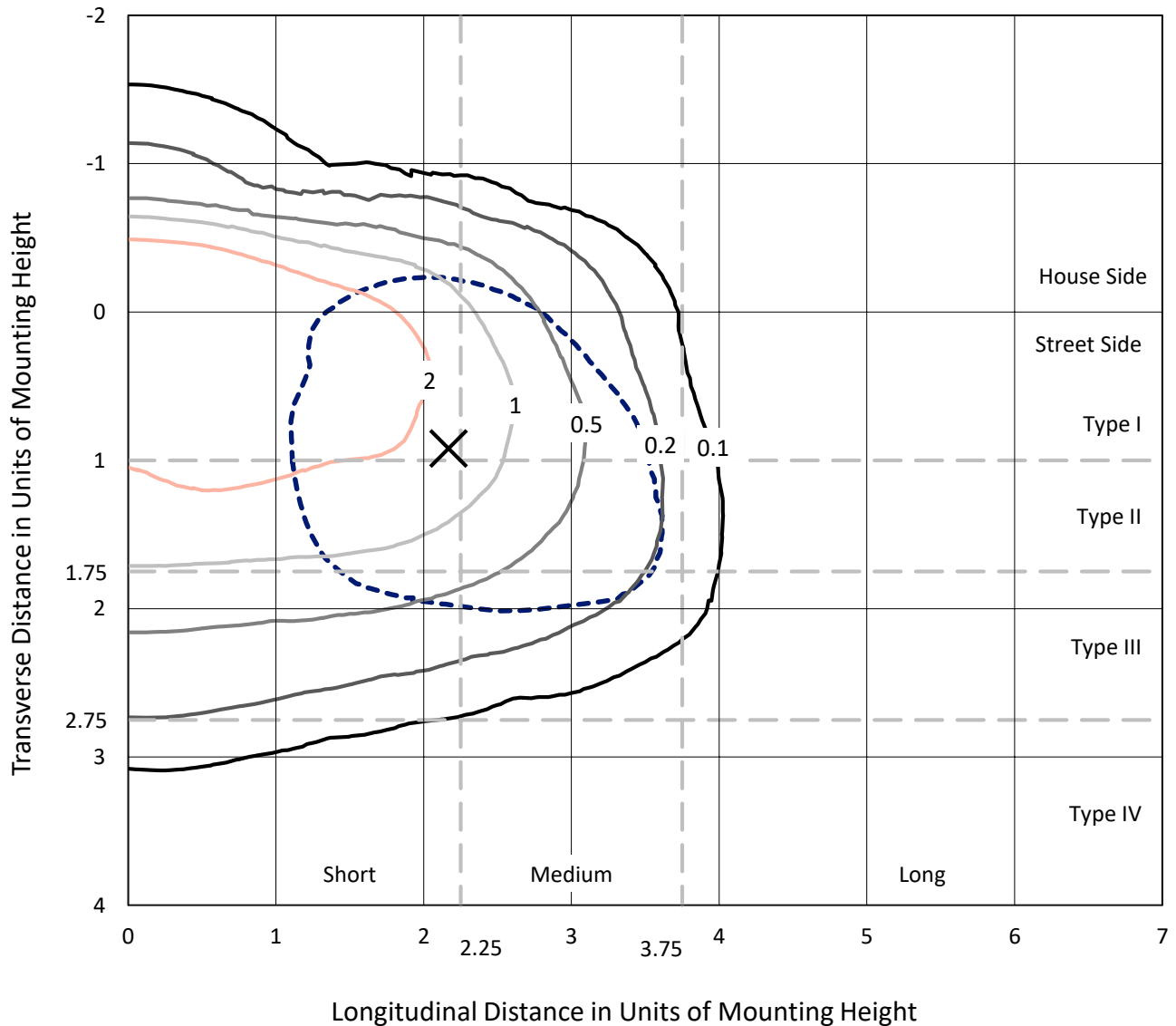
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

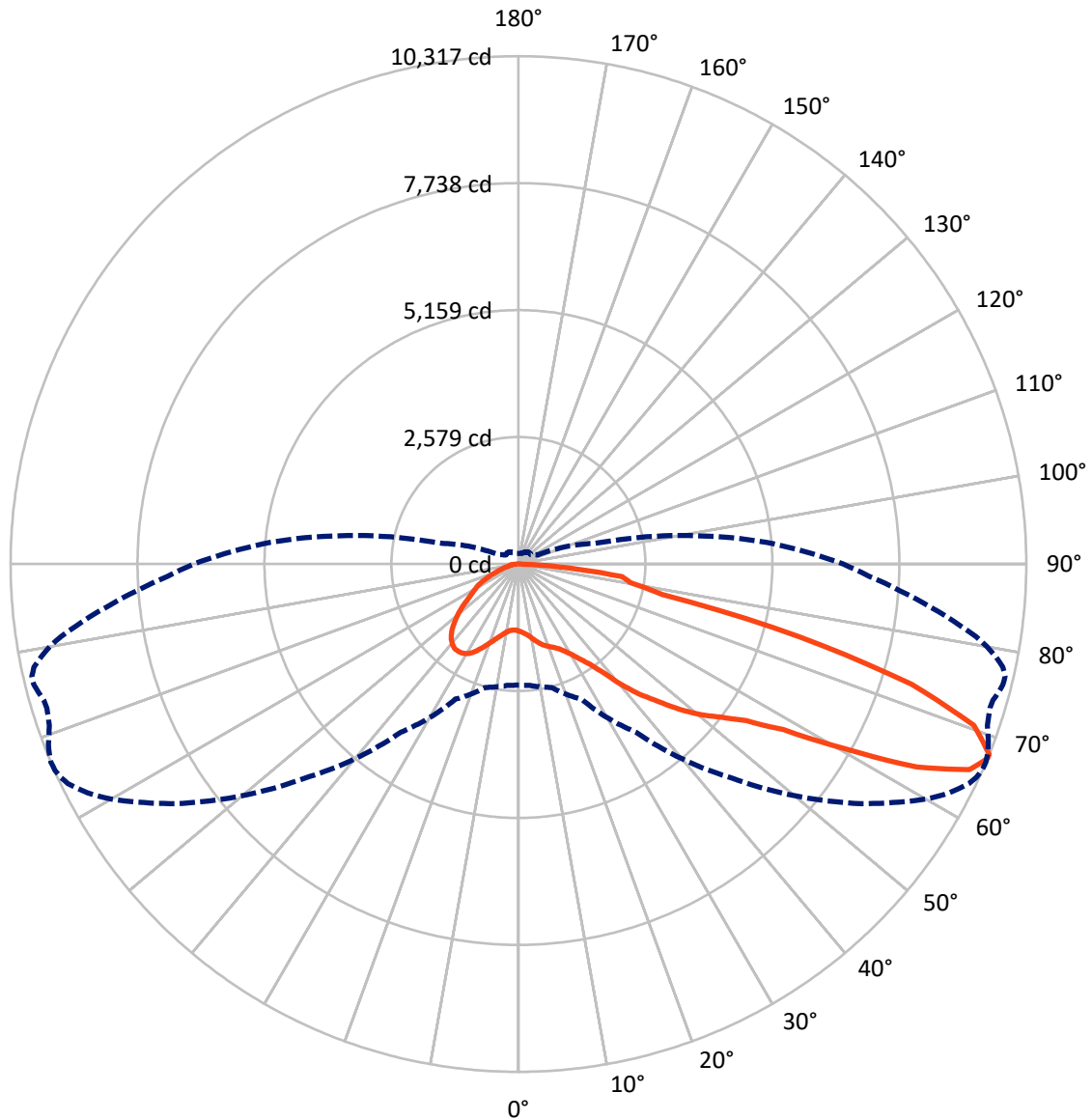
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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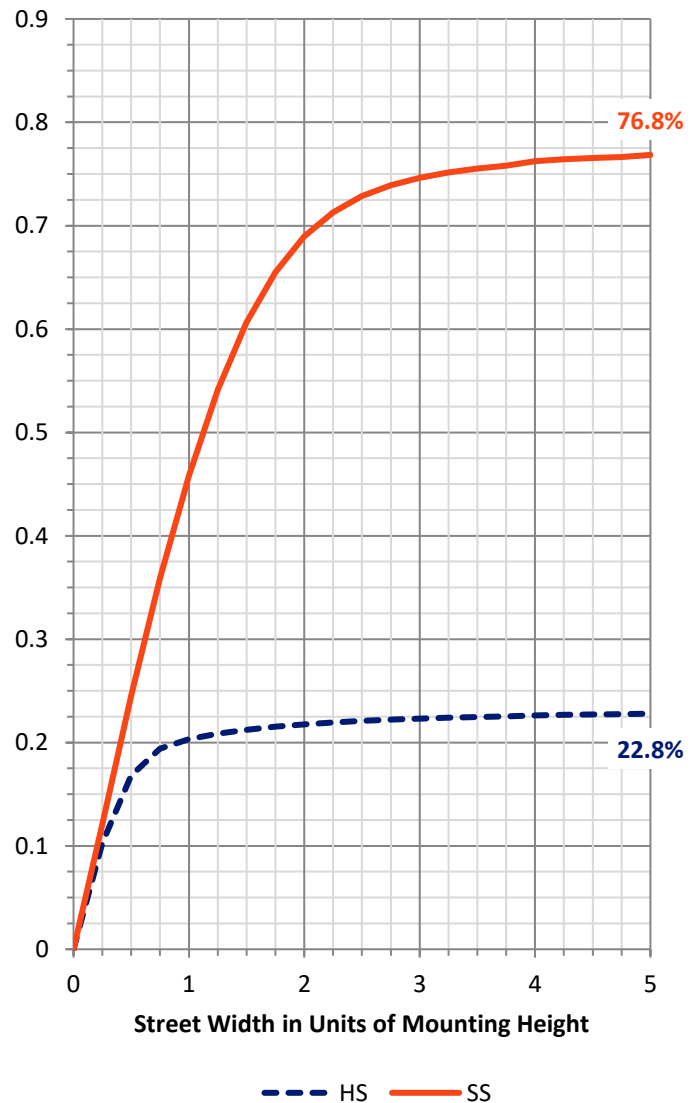
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2875.7 | 0.0 | 2875.7 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 9586.0 | 0.0 | 9586.0 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 12461.7 | 0.0 | 12461.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 135.5 | 1.1 |
| 10°-20° | 464.7 | 3.7 |
| 20°-30° | 820.6 | 6.6 |
| 30°-40° | 1177.9 | 9.5 |
| 40°-50° | 1788.9 | 14.4 |
| 50°-60° | 2633.9 | 21.1 |
| 60°-70° | 3500.3 | 28.1 |
| 70°-80° | 1712.5 | 13.7 |
| 80°-90° | 227.4 | 1.8 |
| 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° | 12461.7 | 100.0 |
| 0°-180° | 12461.7 | 100.0 |



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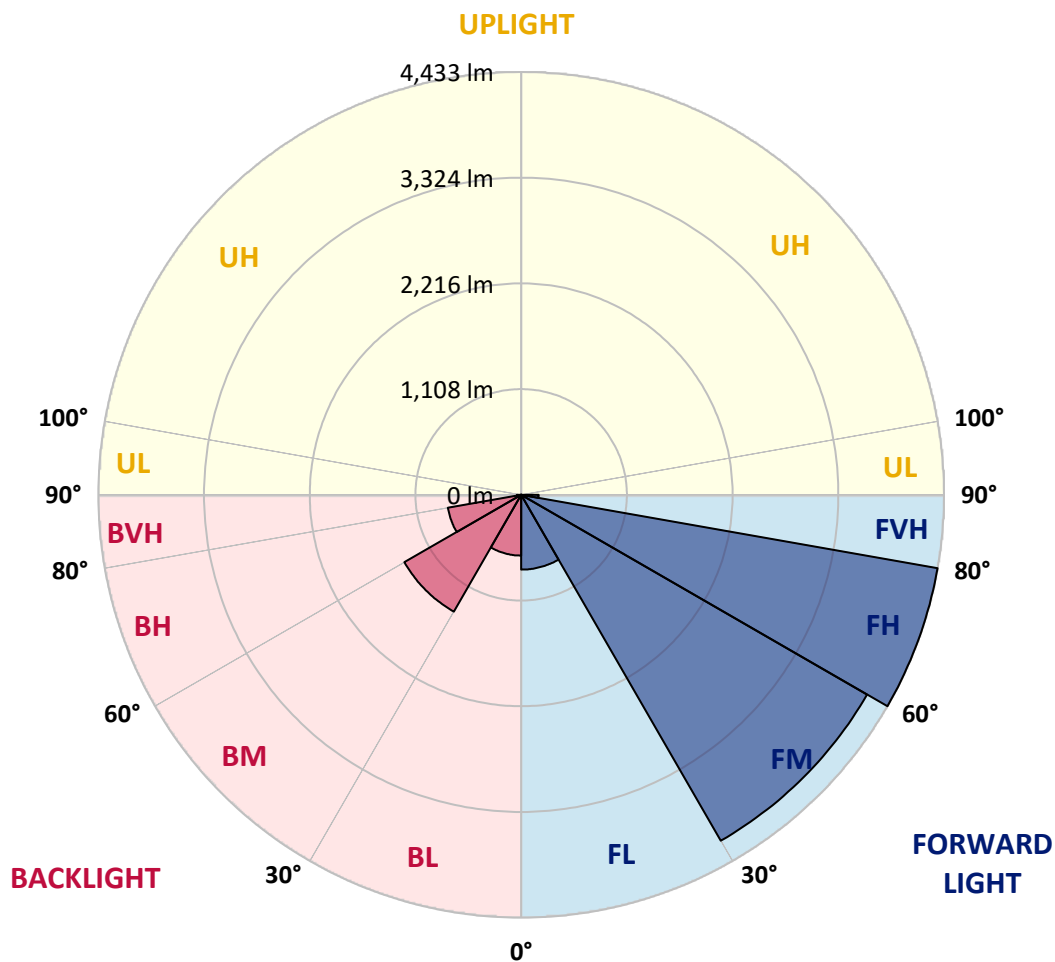
CATALOG NUMBER: AVS-E04-LED-E-U-SL3-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 784.0 | 6.3 | | | |
| FM | (30°-60°) | 4186.9 | 33.6 | | | |
| FH | (60°-80°) | 4432.5 | 35.6 | | | G2/5000 |
| FVH | (80°-90°) | 182.6 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 636.9 | 5.1 | B2/1000 | | |
| BM | (30°-60°) | 1413.8 | 11.3 | B2/2500 | | |
| BH | (60°-80°) | 780.3 | 6.3 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 44.7 | 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: AVS-E04-LED-E-U-SL3-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0° | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 |
| 2.5° | 1425.6 | 1426.9 | 1424.2 | 1422.9 | 1414.6 | 1406.4 | 1400.9 | 1394.1 | 1394.1 | 1394.1 | 1391.4 |
| 5° | 1506.3 | 1500.8 | 1505.0 | 1495.3 | 1479.0 | 1463.9 | 1448.9 | 1436.6 | 1433.8 | 1433.8 | 1428.3 |
| 7.5° | 1603.4 | 1596.6 | 1593.9 | 1580.2 | 1555.5 | 1533.7 | 1503.6 | 1491.3 | 1484.5 | 1481.7 | 1479.0 |
| 10° | 1721.1 | 1721.1 | 1703.3 | 1680.1 | 1647.3 | 1608.9 | 1576.1 | 1554.2 | 1552.8 | 1552.8 | 1540.5 |
| 12.5° | 1841.6 | 1844.2 | 1821.0 | 1797.7 | 1744.4 | 1693.8 | 1655.4 | 1630.8 | 1629.4 | 1623.9 | 1617.1 |
| 15° | 1952.3 | 1945.5 | 1930.5 | 1896.3 | 1837.4 | 1777.2 | 1729.3 | 1704.7 | 1699.3 | 1693.8 | 1689.6 |
| 17.5° | 2044.0 | 2037.2 | 2018.0 | 1974.2 | 1912.6 | 1841.6 | 1782.7 | 1756.7 | 1754.0 | 1751.2 | 1745.7 |
| 20° | 2101.5 | 2096.0 | 2068.6 | 2018.0 | 1953.7 | 1881.2 | 1818.2 | 1800.5 | 1795.0 | 1795.0 | 1792.2 |
| 22.5° | 2134.3 | 2126.1 | 2086.4 | 2019.4 | 1956.5 | 1903.1 | 1851.1 | 1840.1 | 1836.1 | 1837.4 | 1837.4 |
| 25° | 2150.7 | 2143.8 | 2087.8 | 1992.0 | 1931.8 | 1916.8 | 1894.9 | 1888.1 | 1889.4 | 1890.8 | 1893.5 |
| 27.5° | 2153.5 | 2143.8 | 2078.2 | 1956.5 | 1900.3 | 1942.8 | 1957.8 | 1968.7 | 1968.7 | 1974.2 | 1983.8 |
| 30° | 2133.0 | 2122.0 | 2059.1 | 1929.1 | 1886.6 | 1994.7 | 2054.9 | 2083.6 | 2094.6 | 2091.9 | 2113.8 |
| 32.5° | 2097.4 | 2090.6 | 2039.9 | 1929.1 | 1925.0 | 2097.4 | 2204.0 | 2245.1 | 2250.6 | 2253.4 | 2277.9 |
| 35° | 2085.1 | 2083.6 | 2061.8 | 1994.7 | 2044.0 | 2277.9 | 2440.7 | 2472.2 | 2479.1 | 2479.1 | 2496.9 |
| 37.5° | 2082.3 | 2089.1 | 2113.8 | 2117.9 | 2253.4 | 2546.1 | 2759.6 | 2807.5 | 2807.5 | 2821.1 | 2821.1 |
| 40° | 2082.3 | 2097.4 | 2190.4 | 2301.2 | 2509.1 | 2895.0 | 3190.5 | 3245.2 | 3245.2 | 3260.3 | 3252.0 |
| 42.5° | 2163.0 | 2184.9 | 2338.1 | 2548.8 | 2832.0 | 3254.8 | 3594.1 | 3655.6 | 3659.8 | 3655.6 | 3668.0 |
| 45° | 2321.8 | 2340.9 | 2526.9 | 2829.3 | 3164.6 | 3640.6 | 3979.9 | 4053.8 | 4038.8 | 4048.3 | 4052.4 |
| 47.5° | 2532.4 | 2562.5 | 2774.6 | 3135.8 | 3488.8 | 3997.7 | 4412.2 | 4479.3 | 4473.8 | 4477.9 | 4460.1 |
| 50° | 2756.8 | 2788.3 | 3025.0 | 3439.5 | 3811.6 | 4285.0 | 4759.8 | 4859.6 | 4850.1 | 4856.9 | 4866.4 |
| 52.5° | 2955.2 | 2974.3 | 3202.8 | 3668.0 | 4056.6 | 4553.2 | 5026.5 | 5151.1 | 5173.0 | 5175.6 | 5182.5 |
| 55° | 3072.8 | 3096.1 | 3305.4 | 3781.6 | 4234.4 | 4815.9 | 5331.6 | 5520.4 | 5562.9 | 5573.8 | 5603.9 |
| 57.5° | 3113.9 | 3138.5 | 3328.7 | 3797.9 | 4331.5 | 5062.1 | 5757.1 | 6089.6 | 6125.2 | 6184.0 | 6279.8 |
| 60° | 3112.5 | 3138.5 | 3304.0 | 3761.0 | 4430.1 | 5367.3 | 6419.3 | 6976.2 | 7156.8 | 7216.9 | 7353.8 |
| 62.5° | 2985.3 | 3015.3 | 3183.6 | 3648.8 | 4556.0 | 5757.1 | 7404.4 | 8260.8 | 8493.4 | 8602.9 | 8750.7 |
| 65° | 2706.2 | 2728.1 | 2885.4 | 3364.2 | 4520.3 | 6141.6 | 8228.0 | 9296.5 | 9508.6 | 9668.6 | 9932.7 |
| 67° | 2458.5 | 2472.2 | 2595.3 | 3027.7 | 4172.8 | 6155.2 | 8488.0 | 9553.7 | 9738.4 | 9908.1 | 10180.3 |
| 67.5° | 2395.6 | 2424.4 | 2520.1 | 2925.1 | 4042.9 | 6077.3 | 8470.2 | 9514.1 | 9702.9 | 9879.4 | 10166.6 |
| 70° | 1949.6 | 1990.7 | 2038.5 | 2310.8 | 3178.2 | 5112.7 | 7842.2 | 8827.3 | 8992.7 | 9157.0 | 9557.8 |
| 72.5° | 1202.6 | 1276.5 | 1286.0 | 1458.4 | 2068.6 | 3533.9 | 6345.4 | 7444.0 | 7568.6 | 7686.2 | 8096.7 |
| 75° | 708.7 | 719.7 | 753.9 | 893.4 | 1213.6 | 2112.4 | 4257.6 | 5530.1 | 5645.0 | 5702.4 | 6023.9 |
| 77.5° | 395.4 | 406.3 | 435.0 | 555.4 | 933.1 | 1422.9 | 2479.1 | 3249.3 | 3319.1 | 3391.6 | 3339.6 |
| 80° | 164.1 | 179.3 | 193.0 | 224.4 | 436.5 | 1123.2 | 1704.7 | 2065.9 | 2111.1 | 2153.5 | 2206.8 |
| 82.5° | 79.4 | 84.9 | 103.9 | 119.1 | 158.7 | 461.0 | 1336.7 | 1790.9 | 1844.2 | 1905.8 | 2030.4 |
| 85° | 36.9 | 41.0 | 57.5 | 68.4 | 76.6 | 116.3 | 447.4 | 871.5 | 945.4 | 959.1 | 983.7 |
| 87.5° | 2.7 | 2.7 | 6.8 | 9.5 | 13.7 | 15.0 | 46.5 | 65.7 | 73.9 | 67.0 | 84.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: AVS-E04-LED-E-U-SL3-7060

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 |
| 2.5° | 1390.1 | 1388.7 | 1385.9 | 1385.9 | 1384.6 | 1384.6 | 1384.6 | 1381.9 | 1381.9 | 1381.9 | 1380.4 |
| 5° | 1426.9 | 1425.6 | 1421.5 | 1421.5 | 1418.8 | 1418.8 | 1414.6 | 1413.3 | 1410.6 | 1410.6 | 1409.2 |
| 7.5° | 1474.8 | 1473.5 | 1468.0 | 1468.0 | 1463.9 | 1462.6 | 1459.8 | 1455.8 | 1455.8 | 1453.0 | 1450.3 |
| 10° | 1540.5 | 1536.4 | 1535.0 | 1528.2 | 1529.5 | 1526.8 | 1524.1 | 1520.0 | 1517.3 | 1514.5 | 1511.8 |
| 12.5° | 1614.4 | 1614.4 | 1607.6 | 1603.4 | 1606.2 | 1603.4 | 1598.0 | 1596.6 | 1592.5 | 1592.5 | 1588.4 |
| 15° | 1684.1 | 1684.1 | 1681.5 | 1676.0 | 1677.3 | 1673.3 | 1671.9 | 1669.1 | 1663.6 | 1665.1 | 1663.6 |
| 17.5° | 1744.4 | 1744.4 | 1740.3 | 1737.5 | 1737.5 | 1733.5 | 1734.8 | 1732.0 | 1729.3 | 1728.0 | 1723.8 |
| 20° | 1792.2 | 1792.2 | 1789.5 | 1786.8 | 1788.2 | 1788.2 | 1784.0 | 1784.0 | 1784.0 | 1781.3 | 1781.3 |
| 22.5° | 1838.8 | 1840.1 | 1840.1 | 1840.1 | 1841.6 | 1842.9 | 1841.6 | 1844.2 | 1842.9 | 1845.6 | 1845.6 |
| 25° | 1900.3 | 1904.5 | 1907.2 | 1907.2 | 1914.0 | 1915.4 | 1916.8 | 1920.8 | 1920.8 | 1925.0 | 1926.3 |
| 27.5° | 1992.0 | 1994.7 | 2005.7 | 2008.4 | 2009.8 | 2020.7 | 2022.1 | 2027.6 | 2033.1 | 2034.4 | 2035.8 |
| 30° | 2117.9 | 2124.8 | 2133.0 | 2138.4 | 2138.4 | 2152.1 | 2157.5 | 2154.8 | 2169.8 | 2174.0 | 2179.5 |
| 32.5° | 2286.1 | 2291.6 | 2299.8 | 2305.3 | 2310.8 | 2317.6 | 2319.0 | 2325.8 | 2338.1 | 2349.1 | 2342.3 |
| 35° | 2498.2 | 2511.9 | 2498.2 | 2513.3 | 2517.4 | 2526.9 | 2524.2 | 2532.4 | 2537.9 | 2542.0 | 2540.6 |
| 37.5° | 2806.0 | 2799.2 | 2796.5 | 2791.0 | 2781.5 | 2814.3 | 2797.8 | 2796.5 | 2788.3 | 2811.5 | 2796.5 |
| 40° | 3211.0 | 3215.1 | 3219.3 | 3197.3 | 3185.1 | 3185.1 | 3180.9 | 3165.9 | 3159.1 | 3179.6 | 3176.8 |
| 42.5° | 3633.8 | 3637.9 | 3618.8 | 3605.1 | 3573.6 | 3569.4 | 3550.4 | 3546.2 | 3539.4 | 3550.4 | 3539.4 |
| 45° | 4018.2 | 4020.9 | 3978.5 | 3985.4 | 3960.7 | 3964.9 | 3934.8 | 3947.0 | 3930.7 | 3941.7 | 3962.2 |
| 47.5° | 4447.9 | 4453.3 | 4416.4 | 4431.4 | 4406.7 | 4391.7 | 4390.4 | 4398.5 | 4380.8 | 4391.7 | 4397.2 |
| 50° | 4837.7 | 4830.9 | 4811.7 | 4815.9 | 4804.9 | 4807.7 | 4791.2 | 4806.3 | 4785.8 | 4807.7 | 4804.9 |
| 52.5° | 5183.8 | 5175.6 | 5171.6 | 5185.3 | 5175.6 | 5175.6 | 5166.1 | 5173.0 | 5175.6 | 5208.5 | 5215.3 |
| 55° | 5603.9 | 5610.8 | 5617.6 | 5642.2 | 5653.2 | 5635.3 | 5653.2 | 5687.4 | 5688.7 | 5766.7 | 5809.1 |
| 57.5° | 6278.4 | 6326.3 | 6350.9 | 6365.9 | 6430.3 | 6423.4 | 6464.5 | 6546.5 | 6554.7 | 6735.3 | 6840.7 |
| 60° | 7455.0 | 7539.8 | 7620.5 | 7576.8 | 7706.7 | 7746.4 | 7771.1 | 7924.2 | 7972.1 | 8143.2 | 8234.8 |
| 62.5° | 8940.8 | 8950.4 | 9076.3 | 9036.6 | 9110.5 | 9092.6 | 9122.8 | 9192.5 | 9255.4 | 9396.4 | 9482.6 |
| 65° | 9977.8 | 10023.0 | 10072.2 | 10021.7 | 10020.3 | 9960.1 | 9921.8 | 9920.4 | 9958.7 | 9988.8 | 10084.6 |
| 67° | 10259.7 | 10304.9 | 10317.1 | 10280.2 | 10226.8 | 10150.3 | 10079.1 | 10042.2 | 10017.5 | 10031.2 | 10091.4 |
| 67.5° | 10257.0 | 10299.4 | 10314.4 | 10278.9 | 10205.0 | 10140.6 | 10065.4 | 10023.0 | 9990.2 | 9997.0 | 10047.7 |
| 70° | 9674.1 | 9765.8 | 9815.0 | 9826.0 | 9816.4 | 9704.2 | 9639.9 | 9601.7 | 9574.2 | 9507.3 | 9503.1 |
| 72.5° | 8196.6 | 8307.4 | 8345.7 | 8407.3 | 8434.6 | 8269.0 | 8199.3 | 8241.7 | 8145.9 | 7933.9 | 7943.4 |
| 75° | 6018.4 | 6026.6 | 5898.0 | 5873.5 | 5781.8 | 5406.9 | 5294.7 | 5192.1 | 5027.9 | 4772.1 | 4531.3 |
| 77.5° | 3137.1 | 3135.8 | 2988.0 | 2912.7 | 2803.3 | 2577.6 | 2566.6 | 2383.3 | 2254.7 | 2020.7 | 1936.0 |
| 80° | 2228.7 | 2264.2 | 2313.6 | 2338.1 | 2299.8 | 2212.3 | 2091.9 | 1961.9 | 1812.7 | 1666.4 | 1491.3 |
| 82.5° | 2072.7 | 2094.6 | 2120.6 | 2024.9 | 1971.5 | 1848.4 | 1756.7 | 1567.9 | 1462.6 | 1295.6 | 1119.2 |
| 85° | 1008.3 | 1075.3 | 1023.4 | 963.2 | 942.7 | 737.4 | 712.8 | 595.1 | 540.4 | 444.7 | 414.5 |
| 87.5° | 64.4 | 79.4 | 71.2 | 64.4 | 56.1 | 31.5 | 42.4 | 30.1 | 31.5 | 23.2 | 20.5 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 |
| 2.5° | 1380.4 | 1379.1 | 1377.7 | 1376.4 | 1375.0 | 1375.0 | 1373.6 | 1372.2 | 1370.9 | 1368.2 | 1368.2 |
| 5° | 1406.4 | 1406.4 | 1405.1 | 1402.4 | 1402.4 | 1399.6 | 1395.5 | 1394.1 | 1394.1 | 1391.4 | 1388.7 |
| 7.5° | 1448.9 | 1447.5 | 1444.8 | 1443.4 | 1440.6 | 1437.9 | 1435.1 | 1432.4 | 1431.1 | 1426.9 | 1425.6 |
| 10° | 1513.2 | 1510.5 | 1503.6 | 1500.8 | 1499.5 | 1496.8 | 1494.0 | 1491.3 | 1487.2 | 1484.5 | 1483.1 |
| 12.5° | 1585.7 | 1584.4 | 1578.9 | 1581.6 | 1574.7 | 1572.0 | 1569.2 | 1562.4 | 1565.2 | 1559.7 | 1557.0 |
| 15° | 1658.1 | 1659.6 | 1656.8 | 1656.8 | 1651.3 | 1647.3 | 1644.5 | 1639.1 | 1637.6 | 1634.9 | 1632.2 |
| 17.5° | 1722.5 | 1725.2 | 1721.1 | 1718.3 | 1715.6 | 1713.0 | 1707.5 | 1702.0 | 1702.0 | 1696.5 | 1693.8 |
| 20° | 1781.3 | 1784.0 | 1782.7 | 1780.0 | 1775.9 | 1774.5 | 1771.7 | 1767.7 | 1767.7 | 1764.9 | 1760.8 |
| 22.5° | 1848.4 | 1849.7 | 1849.7 | 1848.4 | 1844.2 | 1845.6 | 1842.9 | 1838.8 | 1840.1 | 1834.7 | 1834.7 |
| 25° | 1929.1 | 1931.8 | 1934.5 | 1936.0 | 1933.2 | 1934.5 | 1931.8 | 1929.1 | 1927.7 | 1929.1 | 1927.7 |
| 27.5° | 2039.9 | 2042.6 | 2050.9 | 2044.0 | 2050.9 | 2052.2 | 2048.1 | 2042.6 | 2046.7 | 2053.6 | 2049.4 |
| 30° | 2186.3 | 2183.5 | 2194.5 | 2195.9 | 2194.5 | 2195.9 | 2193.2 | 2189.0 | 2191.7 | 2204.0 | 2197.2 |
| 32.5° | 2350.5 | 2356.0 | 2358.7 | 2361.5 | 2365.5 | 2371.0 | 2366.8 | 2362.8 | 2369.6 | 2365.5 | 2375.1 |
| 35° | 2548.8 | 2561.1 | 2565.3 | 2561.1 | 2563.9 | 2573.5 | 2572.1 | 2573.5 | 2587.2 | 2573.5 | 2591.3 |
| 37.5° | 2799.2 | 2811.5 | 2821.1 | 2815.6 | 2822.5 | 2822.5 | 2833.4 | 2863.5 | 2844.4 | 2869.0 | 2888.2 |
| 40° | 3163.1 | 3182.3 | 3183.6 | 3182.3 | 3189.1 | 3197.3 | 3208.3 | 3241.1 | 3219.3 | 3245.2 | 3263.0 |
| 42.5° | 3538.0 | 3561.2 | 3569.4 | 3555.8 | 3570.9 | 3588.6 | 3590.1 | 3618.8 | 3620.1 | 3624.2 | 3633.8 |
| 45° | 3960.7 | 3981.2 | 3997.7 | 3990.9 | 3992.2 | 4015.5 | 4010.1 | 4037.4 | 4016.9 | 4016.9 | 4022.4 |
| 47.5° | 4410.9 | 4430.1 | 4440.9 | 4451.9 | 4438.2 | 4458.8 | 4468.4 | 4462.9 | 4438.2 | 4432.7 | 4399.9 |
| 50° | 4821.3 | 4837.7 | 4854.2 | 4884.2 | 4882.9 | 4892.4 | 4899.3 | 4874.7 | 4869.2 | 4839.1 | 4802.2 |
| 52.5° | 5256.4 | 5298.9 | 5335.8 | 5398.7 | 5408.3 | 5441.1 | 5428.8 | 5387.8 | 5380.9 | 5331.6 | 5282.4 |
| 55° | 5862.5 | 5984.2 | 6037.6 | 6134.7 | 6200.4 | 6199.1 | 6171.7 | 6164.9 | 6112.8 | 6014.3 | 5955.5 |
| 57.5° | 6917.3 | 7107.5 | 7199.2 | 7325.0 | 7345.6 | 7333.3 | 7297.6 | 7234.7 | 7144.5 | 6978.9 | 6872.1 |
| 60° | 8440.1 | 8557.7 | 8664.5 | 8694.5 | 8709.5 | 8686.3 | 8561.9 | 8422.3 | 8245.8 | 8017.3 | 7827.2 |
| 62.5° | 9590.7 | 9711.1 | 9790.4 | 9778.1 | 9683.7 | 9564.7 | 9382.7 | 9148.7 | 8901.1 | 8645.3 | 8360.7 |
| 65° | 10176.3 | 10226.8 | 10214.5 | 10118.8 | 9957.3 | 9749.3 | 9483.9 | 9195.2 | 8903.8 | 8601.5 | 8306.0 |
| 67° | 10144.8 | 10146.1 | 10062.7 | 9876.6 | 9670.1 | 9408.7 | 9084.5 | 8769.7 | 8427.8 | 8110.4 | 7758.8 |
| 67.5° | 10088.7 | 10083.2 | 9966.9 | 9763.0 | 9540.0 | 9270.6 | 8934.0 | 8608.3 | 8254.0 | 7933.9 | 7569.9 |
| 70° | 9453.9 | 9377.2 | 9114.5 | 8788.9 | 8478.3 | 8114.4 | 7761.5 | 7388.0 | 6988.5 | 6713.5 | 6294.8 |
| 72.5° | 7768.3 | 7509.7 | 7056.9 | 6716.2 | 6383.7 | 5907.7 | 5687.4 | 5223.5 | 4943.1 | 4768.0 | 4451.9 |
| 75° | 4498.4 | 4282.3 | 3932.0 | 3613.3 | 3451.8 | 3169.9 | 3035.9 | 2695.2 | 2624.1 | 2621.3 | 2511.9 |
| 77.5° | 1717.0 | 1498.1 | 1272.3 | 1024.8 | 871.5 | 692.2 | 610.2 | 545.9 | 496.7 | 530.9 | 481.6 |
| 80° | 1287.5 | 1059.0 | 827.8 | 602.0 | 429.6 | 317.4 | 272.2 | 251.7 | 239.4 | 229.8 | 223.0 |
| 82.5° | 959.1 | 756.6 | 586.9 | 383.1 | 268.2 | 202.5 | 175.1 | 164.1 | 158.7 | 149.1 | 140.9 |
| 85° | 324.2 | 259.9 | 205.2 | 142.3 | 112.2 | 91.7 | 84.9 | 82.1 | 78.0 | 71.2 | 67.0 |
| 87.5° | 17.8 | 16.4 | 17.8 | 13.7 | 16.4 | 13.7 | 15.0 | 15.0 | 15.0 | 13.7 | 13.7 |
| 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: P151482

CATALOG NUMBER: AVS-E04-LED-E-U-SL3-7060

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 | 1361.3 |
| 2.5° | 1366.7 | 1366.7 | 1366.7 | 1364.0 | 1359.9 | 1351.7 | 1343.5 | 1336.7 | 1329.8 | 1325.7 | 1323.0 |
| 5° | 1387.3 | 1384.6 | 1383.2 | 1381.9 | 1372.2 | 1355.9 | 1340.8 | 1327.0 | 1313.4 | 1302.5 | 1298.3 |
| 7.5° | 1424.2 | 1418.8 | 1417.4 | 1413.3 | 1400.9 | 1376.4 | 1354.5 | 1332.5 | 1313.4 | 1298.3 | 1291.5 |
| 10° | 1480.3 | 1480.3 | 1472.1 | 1466.6 | 1453.0 | 1420.1 | 1388.7 | 1359.9 | 1333.9 | 1317.5 | 1313.4 |
| 12.5° | 1551.5 | 1551.5 | 1544.7 | 1540.5 | 1524.1 | 1481.7 | 1443.4 | 1409.2 | 1384.6 | 1368.2 | 1366.7 |
| 15° | 1625.4 | 1623.9 | 1618.5 | 1613.1 | 1595.2 | 1550.1 | 1511.8 | 1481.7 | 1461.1 | 1442.0 | 1436.6 |
| 17.5° | 1691.0 | 1691.0 | 1684.1 | 1678.8 | 1660.9 | 1622.6 | 1588.4 | 1566.5 | 1543.2 | 1503.6 | 1473.5 |
| 20° | 1756.7 | 1758.0 | 1752.5 | 1747.2 | 1732.0 | 1699.3 | 1684.1 | 1662.3 | 1610.3 | 1524.1 | 1453.0 |
| 22.5° | 1829.2 | 1834.7 | 1827.9 | 1822.4 | 1810.1 | 1796.4 | 1790.9 | 1738.9 | 1629.4 | 1491.3 | 1387.3 |
| 25° | 1922.3 | 1931.8 | 1923.6 | 1920.8 | 1914.0 | 1918.1 | 1901.8 | 1781.3 | 1602.1 | 1420.1 | 1290.2 |
| 27.5° | 2049.4 | 2049.4 | 2050.9 | 2050.9 | 2048.1 | 2063.1 | 2003.0 | 1782.7 | 1541.9 | 1328.5 | 1173.9 |
| 30° | 2198.7 | 2206.8 | 2204.0 | 2204.0 | 2215.0 | 2224.6 | 2059.1 | 1752.5 | 1465.3 | 1214.9 | 1031.6 |
| 32.5° | 2377.8 | 2384.7 | 2387.4 | 2375.1 | 2418.9 | 2369.6 | 2079.6 | 1697.8 | 1370.9 | 1074.0 | 862.0 |
| 35° | 2594.0 | 2603.5 | 2610.4 | 2611.8 | 2640.5 | 2495.4 | 2068.6 | 1617.1 | 1235.4 | 897.5 | 675.9 |
| 37.5° | 2875.9 | 2895.0 | 2910.1 | 2916.9 | 2918.2 | 2602.2 | 2038.5 | 1510.5 | 1059.0 | 700.5 | 503.5 |
| 40° | 3250.7 | 3271.2 | 3267.2 | 3280.8 | 3202.8 | 2665.2 | 1970.2 | 1355.9 | 840.0 | 514.4 | 388.6 |
| 42.5° | 3611.9 | 3614.6 | 3620.1 | 3607.8 | 3449.1 | 2697.9 | 1874.4 | 1167.0 | 629.3 | 384.5 | 332.4 |
| 45° | 4015.5 | 3992.2 | 3966.2 | 3947.0 | 3676.2 | 2710.3 | 1743.0 | 937.2 | 444.7 | 322.9 | 307.9 |
| 47.5° | 4394.5 | 4363.0 | 4309.6 | 4254.9 | 3878.7 | 2691.1 | 1574.7 | 701.9 | 337.9 | 295.5 | 291.4 |
| 50° | 4766.6 | 4707.8 | 4632.5 | 4569.6 | 4073.0 | 2662.4 | 1388.7 | 506.2 | 295.5 | 281.9 | 277.7 |
| 52.5° | 5227.7 | 5129.1 | 5030.7 | 4948.6 | 4326.0 | 2617.2 | 1193.1 | 384.5 | 277.7 | 270.9 | 265.4 |
| 55° | 5859.8 | 5722.9 | 5564.2 | 5449.3 | 4669.4 | 2548.8 | 987.8 | 325.6 | 269.5 | 264.0 | 255.9 |
| 57.5° | 6735.3 | 6530.2 | 6350.9 | 6163.5 | 5138.8 | 2479.1 | 811.3 | 302.4 | 268.2 | 259.9 | 249.0 |
| 60° | 7630.2 | 7383.8 | 7155.3 | 6887.3 | 5617.6 | 2409.3 | 688.2 | 299.6 | 272.2 | 259.9 | 243.5 |
| 62.5° | 8095.3 | 7840.8 | 7565.8 | 7293.6 | 5824.1 | 2245.1 | 603.3 | 303.7 | 281.9 | 264.0 | 243.5 |
| 65° | 7988.6 | 7678.0 | 7398.9 | 7121.1 | 5584.8 | 1934.5 | 510.4 | 309.2 | 301.0 | 280.5 | 247.7 |
| 67° | 7452.2 | 7128.0 | 6859.9 | 6594.4 | 5051.2 | 1619.9 | 437.8 | 314.7 | 321.6 | 299.6 | 255.9 |
| 67.5° | 7263.4 | 6939.2 | 6675.1 | 6416.6 | 4893.9 | 1554.2 | 420.0 | 317.4 | 325.6 | 305.1 | 258.5 |
| 70° | 6022.6 | 5784.5 | 5504.0 | 5304.2 | 3962.2 | 1150.6 | 344.8 | 322.9 | 350.3 | 336.6 | 270.9 |
| 72.5° | 4334.3 | 4107.2 | 3896.5 | 3785.6 | 2918.2 | 804.5 | 290.1 | 317.4 | 365.3 | 354.3 | 276.4 |
| 75° | 2303.9 | 2290.3 | 2213.7 | 2268.4 | 1805.9 | 525.4 | 255.9 | 296.9 | 348.9 | 324.2 | 257.2 |
| 77.5° | 465.2 | 478.9 | 562.3 | 554.1 | 582.8 | 292.7 | 218.9 | 254.5 | 269.5 | 238.0 | 209.3 |
| 80° | 216.2 | 212.0 | 208.0 | 210.7 | 206.6 | 187.5 | 177.8 | 199.8 | 187.5 | 153.3 | 139.6 |
| 82.5° | 134.1 | 131.3 | 127.3 | 125.9 | 139.6 | 149.1 | 156.0 | 157.3 | 124.5 | 106.7 | 102.6 |
| 85° | 64.4 | 64.4 | 62.9 | 65.7 | 82.1 | 121.8 | 131.3 | 116.3 | 83.4 | 76.6 | 72.5 |
| 87.5° | 12.3 | 12.3 | 13.7 | 12.3 | 16.4 | 28.7 | 32.8 | 38.3 | 31.5 | 32.8 | 36.9 |
| 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: P151482

CATALOG NUMBER: AVS-E04-LED-E-U-SL3-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|--------|--------|--------|
| 0° | 1361.3 | 1361.3 | 1361.3 |
| 2.5° | 1320.2 | 1317.5 | 1317.5 |
| 5° | 1292.8 | 1291.5 | 1291.5 |
| 7.5° | 1286.0 | 1287.5 | 1286.0 |
| 10° | 1312.0 | 1310.7 | 1316.2 |
| 12.5° | 1369.5 | 1373.6 | 1372.2 |
| 15° | 1429.7 | 1432.4 | 1432.4 |
| 17.5° | 1447.5 | 1437.9 | 1436.6 |
| 20° | 1400.9 | 1383.2 | 1379.1 |
| 22.5° | 1313.4 | 1280.6 | 1282.0 |
| 25° | 1202.6 | 1162.9 | 1165.7 |
| 27.5° | 1074.0 | 1031.6 | 1030.3 |
| 30° | 919.4 | 872.8 | 849.6 |
| 32.5° | 733.4 | 677.2 | 677.2 |
| 35° | 551.4 | 506.2 | 489.8 |
| 37.5° | 418.7 | 392.6 | 384.5 |
| 40° | 348.9 | 336.6 | 333.8 |
| 42.5° | 317.4 | 313.3 | 311.9 |
| 45° | 301.0 | 298.2 | 296.9 |
| 47.5° | 285.9 | 284.6 | 283.2 |
| 50° | 275.0 | 273.7 | 272.2 |
| 52.5° | 265.4 | 262.7 | 261.3 |
| 55° | 251.7 | 251.7 | 251.7 |
| 57.5° | 243.5 | 243.5 | 242.2 |
| 60° | 235.3 | 234.0 | 234.0 |
| 62.5° | 228.5 | 225.7 | 227.2 |
| 65° | 224.4 | 220.3 | 220.3 |
| 67° | 221.7 | 213.5 | 213.5 |
| 67.5° | 221.7 | 210.7 | 210.7 |
| 70° | 217.5 | 199.8 | 197.0 |
| 72.5° | 213.5 | 187.5 | 183.3 |
| 75° | 202.5 | 177.8 | 173.8 |
| 77.5° | 173.8 | 158.7 | 156.0 |
| 80° | 134.1 | 116.3 | 119.1 |
| 82.5° | 97.1 | 83.4 | 82.1 |
| 85° | 69.7 | 60.2 | 60.2 |
| 87.5° | 36.9 | 31.5 | 32.8 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)