

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: INVUE

Report Number: P553762

Luminaire Tested: **LXS-VA3-730-U-ASW-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-23-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-730-U-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7645 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

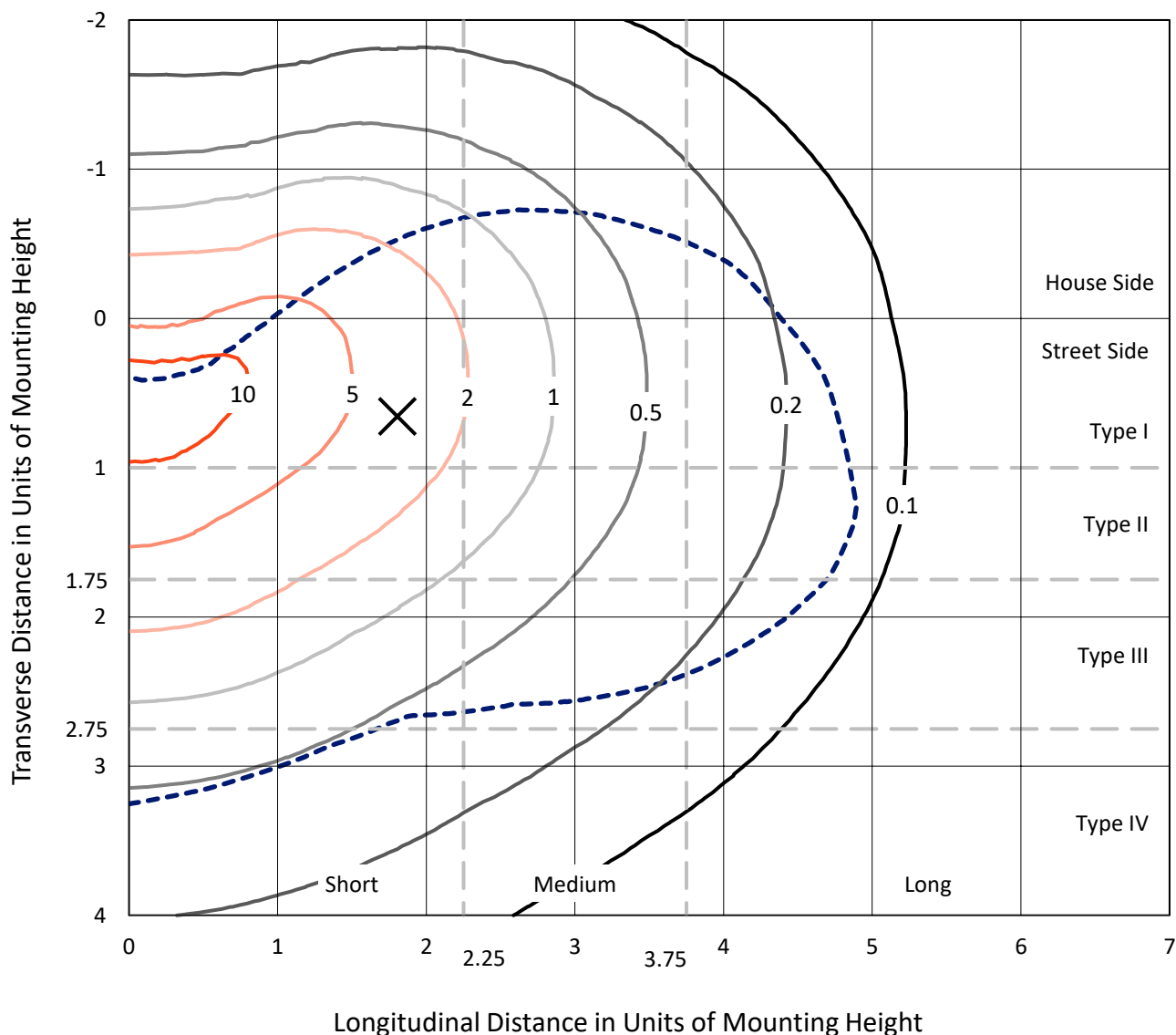
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553762
 CATALOG NUMBER: LXS-VA3-730-U-ASW-C

Iso-Footcandle Lines of Horizontal Illumination

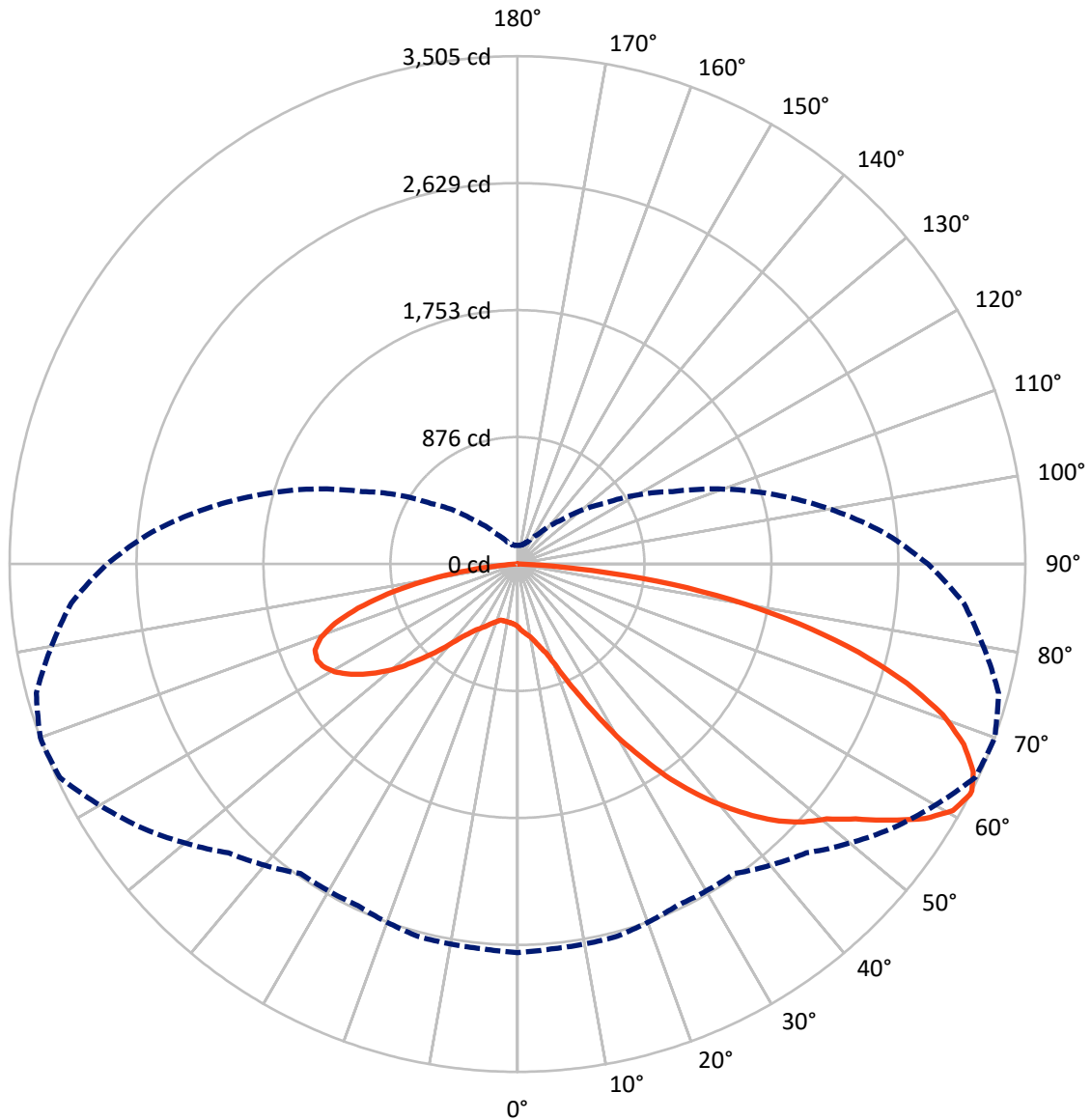
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P553762
CATALOG NUMBER: LXS-VA3-730-U-ASW-C

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553762

CATALOG NUMBER: LXS-VA3-730-U-ASW-C

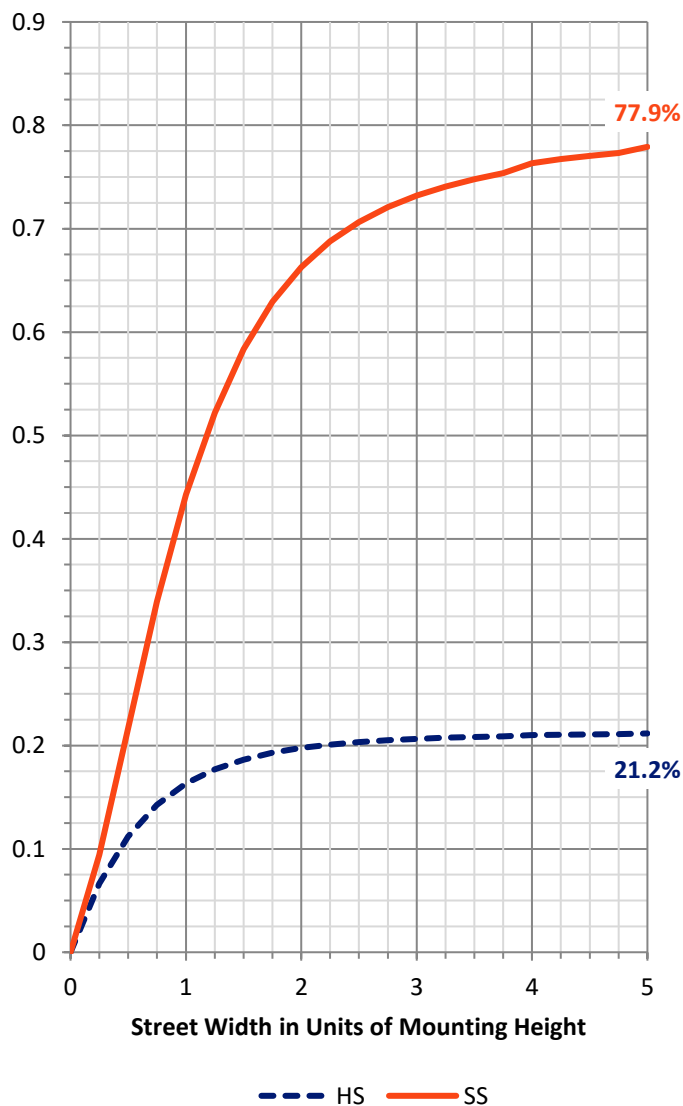
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1626.8 | 0.0 | 1626.8 |
| | % Fixture | 21.3 | 0.0 | 21.3 |
| Street Side | Lumens | 6018.2 | 0.0 | 6018.2 |
| | % Fixture | 78.7 | 0.0 | 78.7 |
| Total | Lumens | 7645.0 | 0.0 | 7645.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.0 | 0.6 |
| 10°-20° | 168.5 | 2.2 |
| 20°-30° | 421.1 | 5.5 |
| 30°-40° | 802.7 | 10.5 |
| 40°-50° | 1207.6 | 15.8 |
| 50°-60° | 1637.6 | 21.4 |
| 60°-70° | 1786.7 | 23.4 |
| 70°-80° | 1282.2 | 16.8 |
| 80°-90° | 294.6 | 3.9 |
| 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° | 7645.0 | 100.0 |
| 0°-180° | 7645.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P553762

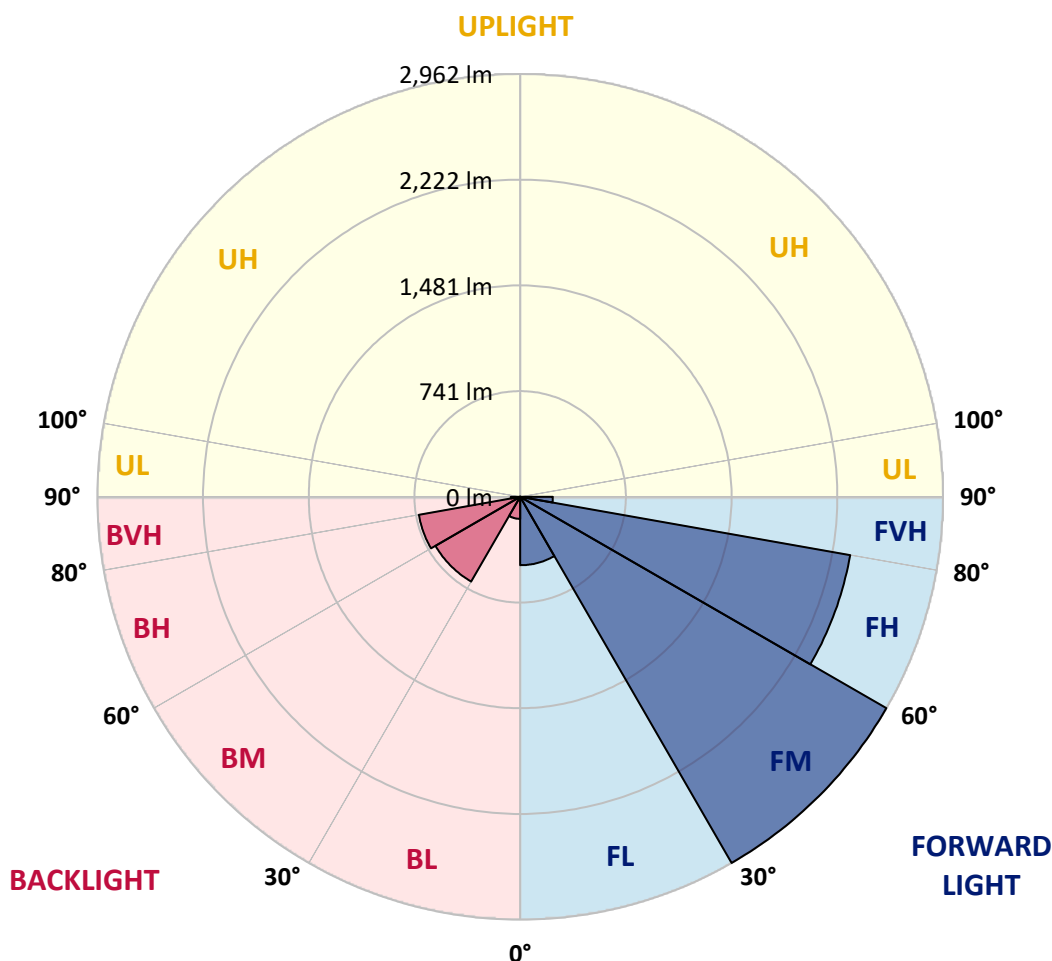
CATALOG NUMBER: LXS-VA3-730-U-ASW-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 479.2 | 6.3 | | | |
| FM | (30°-60°) | 2962.1 | 38.7 | | | |
| FH | (60°-80°) | 2347.8 | 30.7 | | | G2/5000 |
| FVH | (80°-90°) | 229.2 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 154.5 | 2.0 | B1/500 | | |
| BM | (30°-60°) | 685.7 | 9.0 | B1/1000 | | |
| BH | (60°-80°) | 721.2 | 9.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 65.4 | 0.9 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P553762

CATALOG NUMBER: LXS-VA3-730-U-ASW-C

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 |
| 2.5° | 489.8 | 489.8 | 486.6 | 483.4 | 480.2 | 477.0 | 467.4 | 457.8 | 454.6 | 451.4 | 441.7 |
| 5° | 553.8 | 553.8 | 547.4 | 541.0 | 528.2 | 518.6 | 499.4 | 483.4 | 473.8 | 467.4 | 448.1 |
| 7.5° | 630.6 | 627.4 | 617.8 | 601.8 | 579.4 | 557.0 | 531.4 | 505.8 | 493.0 | 480.2 | 457.8 |
| 10° | 717.0 | 710.6 | 691.4 | 665.8 | 633.8 | 601.8 | 563.4 | 531.4 | 515.4 | 499.4 | 467.4 |
| 12.5° | 845.1 | 835.5 | 793.9 | 755.5 | 704.2 | 656.2 | 614.6 | 573.0 | 550.6 | 528.2 | 483.4 |
| 15° | 1046.7 | 1027.5 | 960.3 | 896.3 | 813.1 | 755.5 | 681.8 | 627.4 | 598.6 | 563.4 | 505.8 |
| 17.5° | 1456.5 | 1434.1 | 1302.8 | 1146.0 | 998.7 | 902.7 | 774.7 | 685.0 | 646.6 | 601.8 | 525.0 |
| 20° | 1674.2 | 1664.6 | 1603.7 | 1494.9 | 1286.8 | 1114.0 | 947.5 | 793.9 | 739.4 | 681.8 | 573.0 |
| 22.5° | 1760.6 | 1754.2 | 1712.6 | 1667.8 | 1565.3 | 1354.1 | 1142.8 | 947.5 | 870.7 | 787.5 | 640.2 |
| 25° | 1895.0 | 1891.8 | 1840.6 | 1767.0 | 1712.6 | 1587.7 | 1338.0 | 1126.8 | 1017.9 | 918.7 | 723.4 |
| 27.5° | 1987.9 | 1994.3 | 1978.3 | 1927.0 | 1815.0 | 1751.0 | 1539.7 | 1322.0 | 1203.6 | 1075.6 | 825.9 |
| 30° | 2189.5 | 2176.7 | 2135.1 | 2083.9 | 1994.3 | 1879.0 | 1760.6 | 1526.9 | 1411.7 | 1258.0 | 976.3 |
| 32.5° | 2557.7 | 2525.6 | 2388.0 | 2253.6 | 2147.9 | 2013.5 | 1943.0 | 1719.0 | 1610.1 | 1453.3 | 1139.6 |
| 35° | 2717.7 | 2717.7 | 2647.3 | 2464.8 | 2292.0 | 2186.3 | 2083.9 | 1917.4 | 1824.6 | 1664.6 | 1328.4 |
| 37.5° | 2784.9 | 2784.9 | 2730.5 | 2631.3 | 2448.8 | 2327.2 | 2218.3 | 2109.5 | 2016.7 | 1879.0 | 1523.7 |
| 40° | 2868.2 | 2852.2 | 2772.1 | 2679.3 | 2567.3 | 2442.4 | 2375.2 | 2285.6 | 2199.1 | 2087.1 | 1715.8 |
| 42.5° | 2807.3 | 2816.9 | 2775.3 | 2682.5 | 2624.9 | 2541.6 | 2509.6 | 2442.4 | 2372.0 | 2276.0 | 1904.6 |
| 45° | 2567.3 | 2583.3 | 2650.5 | 2666.5 | 2602.5 | 2608.9 | 2624.9 | 2583.3 | 2532.0 | 2452.0 | 2093.5 |
| 47.5° | 2583.3 | 2583.3 | 2612.1 | 2618.5 | 2628.1 | 2666.5 | 2720.9 | 2717.7 | 2660.1 | 2608.9 | 2256.8 |
| 50° | 2781.7 | 2762.5 | 2711.3 | 2701.7 | 2708.1 | 2724.1 | 2810.5 | 2829.7 | 2765.7 | 2736.9 | 2426.4 |
| 52.5° | 2903.4 | 2877.8 | 2762.5 | 2730.5 | 2752.9 | 2816.9 | 2948.2 | 2967.4 | 2922.6 | 2852.2 | 2580.1 |
| 55° | 3121.0 | 3105.0 | 2954.6 | 2781.7 | 2804.1 | 2919.4 | 3108.2 | 3149.9 | 3121.0 | 2996.2 | 2740.1 |
| 57.5° | 3025.0 | 3009.0 | 2977.0 | 2807.3 | 2829.7 | 2957.8 | 3220.3 | 3335.5 | 3316.3 | 3188.3 | 2884.2 |
| 60° | 2839.3 | 2829.7 | 2829.7 | 2740.1 | 2759.3 | 2919.4 | 3242.7 | 3463.6 | 3454.0 | 3351.5 | 3012.2 |
| 62.5° | 2682.5 | 2666.5 | 2660.1 | 2602.5 | 2608.9 | 2820.1 | 3172.3 | 3486.0 | 3505.2 | 3437.9 | 3092.2 |
| 63° | 2644.1 | 2628.1 | 2628.1 | 2567.3 | 2576.9 | 2794.5 | 3149.9 | 3479.6 | 3505.2 | 3444.3 | 3098.6 |
| 65° | 2445.6 | 2439.2 | 2471.2 | 2420.0 | 2445.6 | 2672.9 | 3037.8 | 3412.3 | 3457.2 | 3428.3 | 3105.0 |
| 67.5° | 2195.9 | 2186.3 | 2243.9 | 2211.9 | 2260.0 | 2487.2 | 2852.2 | 3249.1 | 3322.7 | 3309.9 | 3034.6 |
| 70° | 1994.3 | 1978.3 | 1991.1 | 1997.5 | 2039.1 | 2263.2 | 2621.7 | 2999.4 | 3114.6 | 3121.0 | 2865.0 |
| 72.5° | 1786.2 | 1767.0 | 1744.6 | 1741.4 | 1786.2 | 2000.7 | 2340.0 | 2679.3 | 2810.5 | 2826.5 | 2608.9 |
| 75° | 1536.5 | 1517.3 | 1491.7 | 1478.9 | 1517.3 | 1709.4 | 2016.7 | 2308.0 | 2432.8 | 2452.0 | 2263.2 |
| 77.5° | 1270.8 | 1261.2 | 1226.0 | 1206.8 | 1235.6 | 1395.7 | 1658.2 | 1891.8 | 1991.1 | 2013.5 | 1843.8 |
| 80° | 992.3 | 979.5 | 937.9 | 909.1 | 937.9 | 1066.0 | 1261.2 | 1434.1 | 1498.1 | 1517.3 | 1363.7 |
| 82.5° | 678.6 | 681.8 | 627.4 | 605.0 | 624.2 | 713.8 | 838.7 | 941.1 | 973.1 | 973.1 | 877.1 |
| 85° | 307.3 | 320.1 | 294.5 | 288.1 | 294.5 | 323.3 | 380.9 | 400.1 | 400.1 | 406.5 | 361.7 |
| 87.5° | 12.8 | 12.8 | 12.8 | 12.8 | 9.6 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 3.2 |
| 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: P553762
 CATALOG NUMBER: LXS-VA3-730-U-ASW-C

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 | 432.1 |
| 2.5° | 435.3 | 432.1 | 422.5 | 416.1 | 409.7 | 406.5 | 400.1 | 396.9 | 396.9 | 393.7 | 396.9 |
| 5° | 438.5 | 432.1 | 419.3 | 406.5 | 393.7 | 387.3 | 377.7 | 371.3 | 368.1 | 368.1 | 368.1 |
| 7.5° | 444.9 | 435.3 | 416.1 | 400.1 | 384.1 | 371.3 | 361.7 | 355.3 | 348.9 | 345.7 | 345.7 |
| 10° | 454.6 | 441.7 | 416.1 | 393.7 | 374.5 | 361.7 | 348.9 | 339.3 | 332.9 | 329.7 | 329.7 |
| 12.5° | 464.2 | 448.1 | 416.1 | 390.5 | 371.3 | 352.1 | 339.3 | 326.5 | 320.1 | 313.7 | 313.7 |
| 15° | 480.2 | 457.8 | 419.3 | 387.3 | 364.9 | 342.5 | 326.5 | 313.7 | 304.1 | 300.9 | 300.9 |
| 17.5° | 496.2 | 470.6 | 422.5 | 387.3 | 361.7 | 336.1 | 316.9 | 300.9 | 291.3 | 288.1 | 288.1 |
| 20° | 534.6 | 502.6 | 441.7 | 396.9 | 361.7 | 332.9 | 310.5 | 291.3 | 278.5 | 272.1 | 272.1 |
| 22.5° | 582.6 | 541.0 | 464.2 | 409.7 | 364.9 | 329.7 | 304.1 | 281.7 | 268.9 | 259.3 | 259.3 |
| 25° | 649.8 | 589.0 | 489.8 | 422.5 | 368.1 | 329.7 | 297.7 | 272.1 | 256.1 | 246.5 | 246.5 |
| 27.5° | 720.2 | 646.6 | 525.0 | 438.5 | 377.7 | 329.7 | 291.3 | 262.5 | 243.3 | 233.7 | 233.7 |
| 30° | 829.1 | 717.0 | 557.0 | 457.8 | 387.3 | 326.5 | 284.9 | 252.9 | 230.5 | 217.7 | 217.7 |
| 32.5° | 966.7 | 829.1 | 592.2 | 480.2 | 393.7 | 329.7 | 278.5 | 240.1 | 217.7 | 204.9 | 204.9 |
| 35° | 1114.0 | 950.7 | 656.2 | 496.2 | 403.3 | 326.5 | 268.9 | 230.5 | 204.9 | 195.3 | 192.1 |
| 37.5° | 1299.6 | 1098.0 | 736.2 | 518.6 | 412.9 | 326.5 | 265.7 | 220.9 | 198.5 | 185.7 | 185.7 |
| 40° | 1475.7 | 1264.4 | 841.9 | 563.4 | 419.3 | 329.7 | 262.5 | 217.7 | 195.3 | 182.5 | 179.3 |
| 42.5° | 1658.2 | 1421.3 | 966.7 | 624.2 | 432.1 | 339.3 | 262.5 | 214.5 | 188.9 | 176.1 | 176.1 |
| 45° | 1840.6 | 1581.3 | 1088.4 | 701.0 | 464.2 | 345.7 | 262.5 | 211.3 | 182.5 | 172.9 | 169.7 |
| 47.5° | 2010.3 | 1754.2 | 1216.4 | 784.3 | 502.6 | 348.9 | 262.5 | 204.9 | 176.1 | 166.5 | 163.3 |
| 50° | 2173.5 | 1914.2 | 1350.9 | 880.3 | 541.0 | 348.9 | 262.5 | 201.7 | 172.9 | 160.1 | 160.1 |
| 52.5° | 2330.4 | 2074.3 | 1472.5 | 960.3 | 585.8 | 371.3 | 259.3 | 198.5 | 166.5 | 156.9 | 153.7 |
| 55° | 2471.2 | 2205.5 | 1587.7 | 1033.9 | 630.6 | 390.5 | 259.3 | 192.1 | 160.1 | 150.5 | 147.2 |
| 57.5° | 2612.1 | 2324.0 | 1690.2 | 1098.0 | 675.4 | 409.7 | 256.1 | 188.9 | 153.7 | 144.0 | 144.0 |
| 60° | 2743.3 | 2442.4 | 1779.8 | 1149.2 | 707.4 | 422.5 | 249.7 | 179.3 | 147.2 | 137.6 | 134.4 |
| 62.5° | 2832.9 | 2532.0 | 1843.8 | 1181.2 | 726.6 | 428.9 | 249.7 | 169.7 | 137.6 | 128.0 | 128.0 |
| 63° | 2845.7 | 2548.1 | 1853.4 | 1184.4 | 729.8 | 432.1 | 249.7 | 169.7 | 137.6 | 128.0 | 124.8 |
| 65° | 2855.4 | 2576.9 | 1875.8 | 1190.8 | 733.0 | 432.1 | 243.3 | 160.1 | 128.0 | 118.4 | 118.4 |
| 67.5° | 2800.9 | 2548.1 | 1856.6 | 1178.0 | 717.0 | 419.3 | 233.7 | 144.0 | 115.2 | 105.6 | 105.6 |
| 70° | 2660.1 | 2426.4 | 1770.2 | 1126.8 | 681.8 | 393.7 | 217.7 | 128.0 | 102.4 | 92.8 | 92.8 |
| 72.5° | 2416.8 | 2215.1 | 1616.5 | 1030.7 | 621.0 | 358.5 | 195.3 | 112.0 | 89.6 | 83.2 | 80.0 |
| 75° | 2090.3 | 1917.4 | 1392.5 | 893.1 | 534.6 | 307.3 | 169.7 | 96.0 | 73.6 | 67.2 | 67.2 |
| 77.5° | 1690.2 | 1568.5 | 1120.4 | 717.0 | 432.1 | 249.7 | 137.6 | 80.0 | 57.6 | 54.4 | 54.4 |
| 80° | 1242.0 | 1146.0 | 806.7 | 521.8 | 310.5 | 182.5 | 102.4 | 60.8 | 38.4 | 38.4 | 38.4 |
| 82.5° | 758.7 | 704.2 | 486.6 | 313.7 | 182.5 | 108.8 | 64.0 | 38.4 | 25.6 | 22.4 | 22.4 |
| 85° | 297.7 | 288.1 | 188.9 | 105.6 | 54.4 | 35.2 | 25.6 | 16.0 | 12.8 | 9.6 | 6.4 |
| 87.5° | 3.2 | 3.2 | 6.4 | 3.2 | 3.2 | 3.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)