

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: P149333

Luminaire Tested: **VXS-F05-LED-E1-SL2-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149333  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-F05-LED-E1-SL2-HSS-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6387.6 lumens  
Efficiency: N/A  
Efficacy: 47.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3  
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: 25 FT



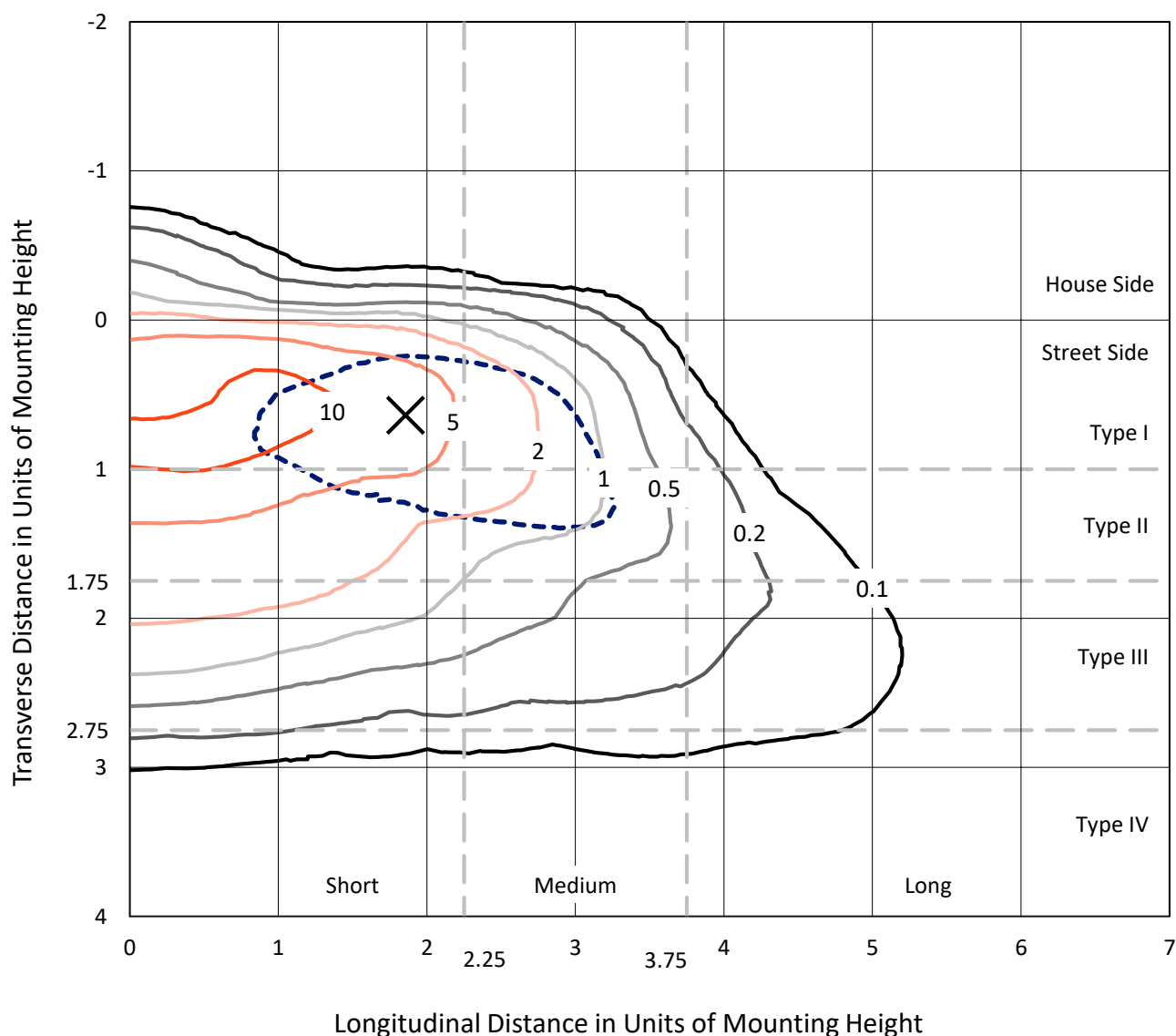
REPORT NUMBER: P149333

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

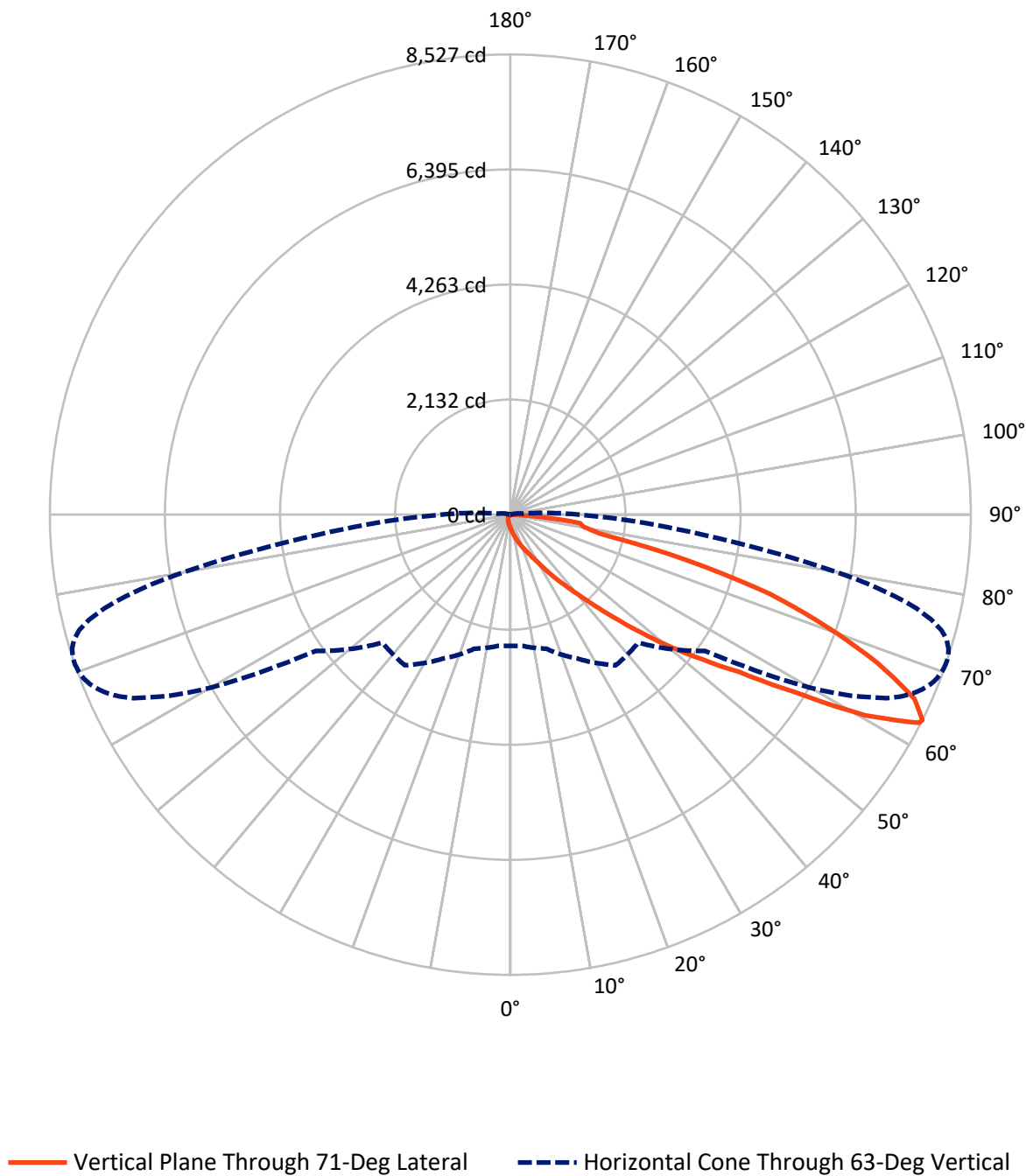


Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

## Luminous Intensity Polar Plot



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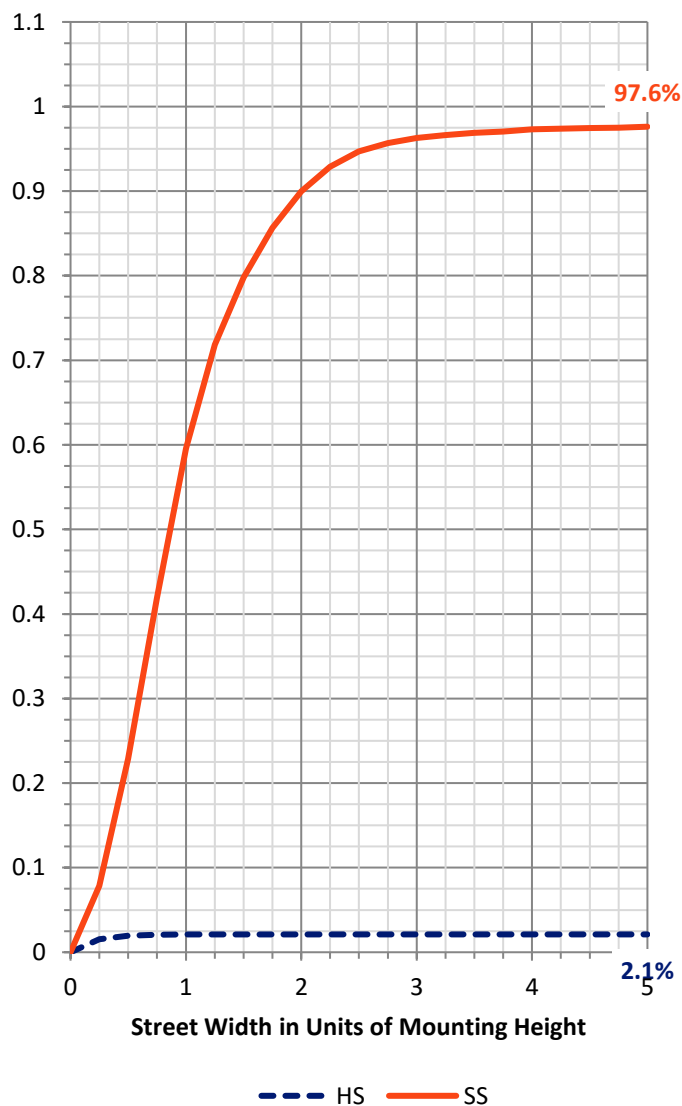
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 135.6    | 0.0    | 135.6  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 6252.0   | 0.0    | 6252.0 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 6387.6   | 0.0    | 6387.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.1   | 0.4       |
| 10°-20°   | 105.0  | 1.6       |
| 20°-30°   | 213.3  | 3.3       |
| 30°-40°   | 521.2  | 8.2       |
| 40°-50°   | 1165.6 | 18.2      |
| 50°-60°   | 1639.0 | 25.7      |
| 60°-70°   | 1927.3 | 30.2      |
| 70°-80°   | 695.9  | 10.9      |
| 80°-90°   | 93.1   | 1.5       |
| 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°    | 6387.6 | 100.0     |
| 0°-180°   | 6387.6 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P149333

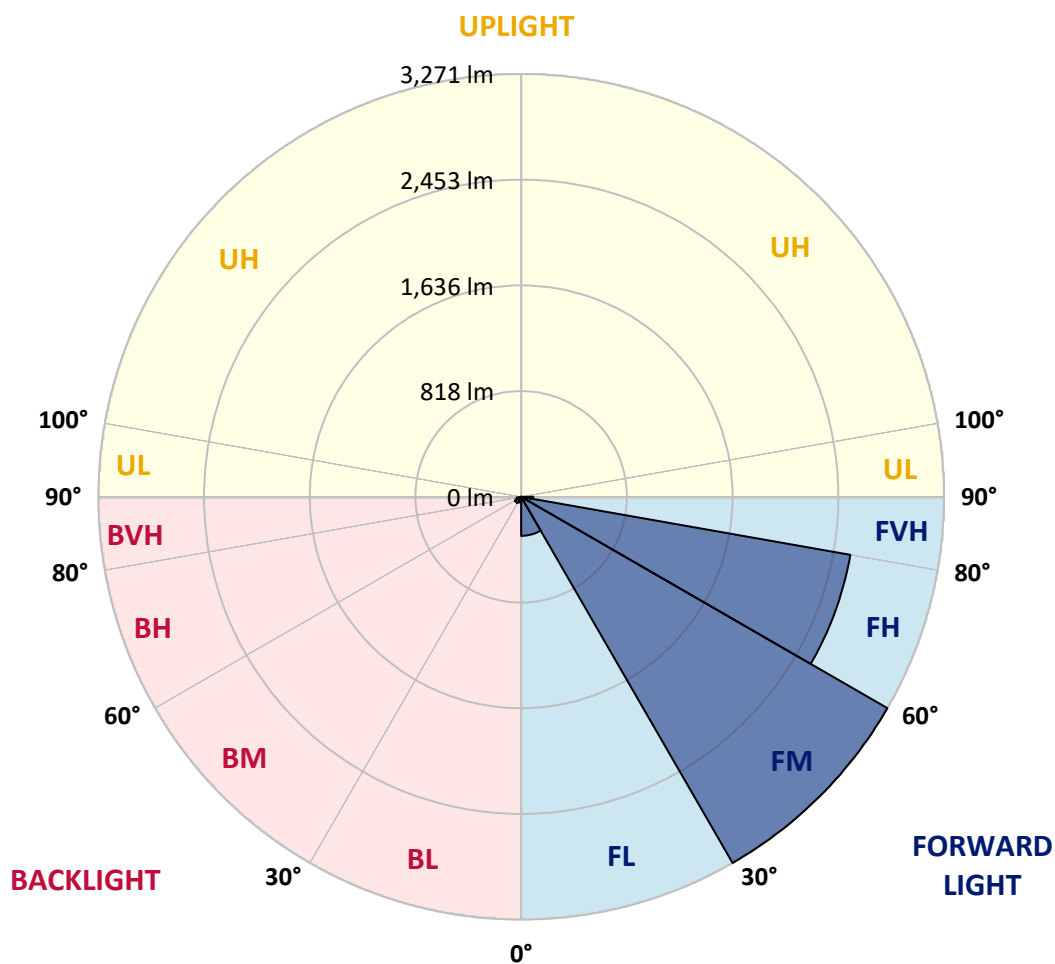
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 301.8  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 3271.2 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 2586.1 | 40.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 92.9   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 43.6   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 54.6   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 37.2   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.2    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type II Short



REPORT NUMBER: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  |
| 2.5°  | 320.5  | 323.9  | 321.7  | 315.9  | 308.9  | 299.6  | 291.5  | 291.5  | 290.3  | 286.8  | 288.0  |
| 5°    | 420.4  | 421.6  | 416.9  | 402.9  | 390.2  | 370.5  | 348.4  | 346.0  | 343.7  | 340.2  | 339.1  |
| 7.5°  | 517.9  | 522.6  | 517.9  | 502.8  | 477.3  | 447.0  | 412.2  | 408.7  | 401.8  | 401.8  | 397.1  |
| 10°   | 617.8  | 617.8  | 613.2  | 595.8  | 572.4  | 529.5  | 485.4  | 479.6  | 471.5  | 469.1  | 462.2  |
| 12.5° | 688.6  | 688.6  | 686.3  | 677.0  | 658.4  | 620.1  | 566.6  | 560.8  | 550.5  | 546.9  | 538.9  |
| 15°   | 716.5  | 716.5  | 717.6  | 725.8  | 726.9  | 709.5  | 653.8  | 649.1  | 638.7  | 629.4  | 625.9  |
| 17.5° | 733.9  | 732.7  | 732.7  | 744.4  | 765.3  | 776.9  | 740.8  | 736.2  | 724.6  | 720.0  | 708.4  |
| 20°   | 772.2  | 769.8  | 762.9  | 762.9  | 782.7  | 823.3  | 823.3  | 822.2  | 809.3  | 805.9  | 800.1  |
| 22.5° | 829.1  | 826.8  | 805.9  | 788.5  | 797.7  | 848.8  | 896.5  | 894.1  | 889.5  | 884.9  | 881.3  |
| 25°   | 922.0  | 913.9  | 877.9  | 826.8  | 818.7  | 873.3  | 952.2  | 958.0  | 961.5  | 961.5  | 963.8  |
| 27.5° | 1062.5 | 1052.0 | 988.2  | 893.0  | 857.0  | 912.7  | 1013.8 | 1025.4 | 1035.9 | 1038.1 | 1048.6 |
| 30°   | 1257.6 | 1239.1 | 1147.3 | 1008.0 | 925.5  | 970.8  | 1104.4 | 1117.1 | 1132.2 | 1136.9 | 1153.1 |
| 32.5° | 1578.1 | 1567.7 | 1479.4 | 1270.4 | 1093.9 | 1084.6 | 1230.9 | 1247.2 | 1266.9 | 1275.0 | 1294.8 |
| 35°   | 2065.8 | 2068.2 | 1996.2 | 1808.0 | 1564.1 | 1436.5 | 1457.3 | 1471.3 | 1478.2 | 1502.6 | 1513.1 |
| 37.5° | 2396.8 | 2402.6 | 2418.9 | 2344.6 | 2170.4 | 2040.3 | 1876.6 | 1891.6 | 1855.6 | 1859.2 | 1860.3 |
| 40°   | 2577.9 | 2596.5 | 2691.7 | 2763.7 | 2749.7 | 2674.3 | 2543.1 | 2551.2 | 2483.8 | 2468.8 | 2395.6 |
| 42.5° | 2698.7 | 2723.1 | 2875.2 | 3098.1 | 3211.9 | 3280.4 | 3250.3 | 3246.8 | 3194.5 | 3174.8 | 3113.3 |
| 45°   | 2774.2 | 2796.3 | 2987.9 | 3316.5 | 3578.9 | 3778.7 | 3861.0 | 3870.4 | 3826.2 | 3806.5 | 3755.4 |
| 47.5° | 2770.7 | 2796.3 | 3001.8 | 3397.7 | 3784.5 | 4103.7 | 4336.1 | 4347.7 | 4374.3 | 4356.9 | 4360.4 |
| 50°   | 2617.4 | 2641.8 | 2848.5 | 3259.6 | 3724.0 | 4252.4 | 4677.4 | 4714.6 | 4757.5 | 4786.5 | 4800.5 |
| 52.5° | 2431.6 | 2449.0 | 2632.5 | 3022.7 | 3466.2 | 4190.9 | 4879.5 | 4943.3 | 5007.3 | 5061.8 | 5100.1 |
| 55°   | 2363.1 | 2382.8 | 2526.8 | 2850.8 | 3259.6 | 3933.1 | 4973.6 | 5067.6 | 5158.1 | 5247.6 | 5320.7 |
| 57.5° | 2399.1 | 2417.7 | 2521.0 | 2769.5 | 3136.5 | 3661.3 | 5000.2 | 5146.5 | 5295.2 | 5440.3 | 5584.4 |
| 60°   | 2531.5 | 2551.2 | 2639.5 | 2845.0 | 3103.9 | 3504.6 | 4895.8 | 5138.4 | 5385.8 | 5639.0 | 5877.0 |
| 62.5° | 2479.2 | 2487.4 | 2617.4 | 2977.4 | 3336.2 | 3371.1 | 4516.0 | 4855.1 | 5232.4 | 5622.7 | 6007.0 |
| 63°   | 2429.3 | 2438.5 | 2571.0 | 2941.3 | 3407.0 | 3351.3 | 4398.8 | 4756.4 | 5154.7 | 5575.0 | 5993.1 |
| 65°   | 2202.8 | 2204.0 | 2305.1 | 2597.6 | 3328.1 | 3386.1 | 3876.2 | 4217.6 | 4675.1 | 5179.1 | 5707.5 |
| 67.5° | 1644.2 | 1636.2 | 1733.7 | 1956.7 | 2612.7 | 3387.3 | 3326.9 | 3518.5 | 3836.7 | 4283.7 | 4757.5 |
| 70°   | 582.9  | 570.2  | 728.1  | 1037.0 | 1628.1 | 2770.7 | 2859.0 | 2871.7 | 2960.0 | 3201.5 | 3498.8 |
| 72.5° | 189.3  | 192.7  | 232.2  | 379.7  | 750.2  | 1865.0 | 2588.4 | 2548.9 | 2525.7 | 2524.5 | 2563.9 |
| 75°   | 75.4   | 76.7   | 92.8   | 168.4  | 336.8  | 898.8  | 2266.7 | 2288.8 | 2296.9 | 2308.5 | 2321.2 |
| 77.5° | 36.0   | 39.5   | 52.2   | 94.1   | 167.3  | 444.8  | 1622.3 | 1809.2 | 1916.1 | 1998.4 | 2048.4 |
| 80°   | 12.7   | 15.1   | 29.0   | 58.0   | 77.8   | 204.4  | 854.6  | 1031.2 | 1188.0 | 1389.9 | 1564.1 |
| 82.5° | 0.0    | 0.0    | 5.8    | 40.6   | 43.0   | 82.5   | 350.7  | 411.1  | 470.3  | 609.6  | 782.7  |
| 85°   | 0.0    | 0.0    | 0.0    | 11.6   | 12.7   | 13.9   | 118.4  | 142.8  | 160.2  | 186.9  | 216.0  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 3.5    | 6.9    | 17.4   | 26.7   |
| 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: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  |
| 2.5°  | 285.7  | 284.5  | 284.5  | 282.2  | 281.0  | 278.7  | 277.5  | 274.1  | 272.8  | 272.8  | 272.8  |
| 5°    | 337.9  | 333.3  | 331.0  | 325.2  | 321.7  | 320.5  | 314.7  | 312.3  | 308.9  | 310.1  | 304.2  |
| 7.5°  | 396.0  | 387.9  | 384.4  | 376.3  | 373.9  | 365.8  | 363.4  | 357.6  | 354.2  | 347.3  | 344.9  |
| 10°   | 459.9  | 449.4  | 443.6  | 430.8  | 427.4  | 421.6  | 414.5  | 407.6  | 401.8  | 394.8  | 391.3  |
| 12.5° | 533.0  | 523.7  | 519.1  | 501.7  | 493.5  | 485.4  | 476.1  | 466.8  | 457.5  | 451.7  | 443.6  |
| 15°   | 619.0  | 603.8  | 599.2  | 582.9  | 569.0  | 558.5  | 545.8  | 534.2  | 527.2  | 515.5  | 507.5  |
| 17.5° | 703.7  | 688.6  | 685.1  | 660.7  | 645.6  | 638.7  | 624.8  | 609.6  | 596.9  | 585.3  | 572.4  |
| 20°   | 788.5  | 778.0  | 768.7  | 745.5  | 729.2  | 717.6  | 699.1  | 683.9  | 673.5  | 657.2  | 641.0  |
| 22.5° | 873.3  | 862.8  | 855.9  | 831.4  | 816.4  | 800.1  | 783.8  | 767.6  | 752.4  | 732.7  | 714.2  |
| 25°   | 960.3  | 953.4  | 949.8  | 927.8  | 913.9  | 898.8  | 882.5  | 863.9  | 845.4  | 823.3  | 803.5  |
| 27.5° | 1050.9 | 1053.3 | 1046.2 | 1041.7 | 1026.5 | 1016.1 | 990.6  | 977.7  | 963.8  | 937.1  | 912.7  |
| 30°   | 1165.9 | 1172.8 | 1170.5 | 1174.0 | 1164.7 | 1157.7 | 1138.0 | 1121.8 | 1105.5 | 1079.9 | 1052.0 |
| 32.5° | 1311.0 | 1320.3 | 1325.0 | 1337.7 | 1333.1 | 1330.8 | 1325.0 | 1301.8 | 1290.2 | 1246.0 | 1234.4 |
| 35°   | 1535.1 | 1530.5 | 1550.3 | 1560.7 | 1556.1 | 1553.7 | 1546.7 | 1534.0 | 1520.0 | 1488.7 | 1459.7 |
| 37.5° | 1826.6 | 1831.3 | 1838.2 | 1817.3 | 1803.4 | 1802.2 | 1781.3 | 1768.5 | 1748.8 | 1714.0 | 1679.2 |
| 40°   | 2360.7 | 2331.7 | 2299.3 | 2211.0 | 2172.6 | 2150.6 | 2089.0 | 2071.6 | 2037.9 | 1990.4 | 1954.3 |
| 42.5° | 3055.2 | 3026.1 | 2928.6 | 2781.1 | 2702.2 | 2593.1 | 2543.1 | 2481.6 | 2433.9 | 2356.2 | 2314.3 |
| 45°   | 3745.0 | 3661.3 | 3649.7 | 3477.8 | 3380.3 | 3236.4 | 3146.9 | 3043.5 | 2935.5 | 2833.4 | 2759.1 |
| 47.5° | 4326.7 | 4308.2 | 4251.3 | 4146.7 | 4056.2 | 3935.4 | 3820.4 | 3661.3 | 3549.8 | 3404.7 | 3271.2 |
| 50°   | 4792.3 | 4791.2 | 4770.4 | 4709.9 | 4634.4 | 4536.9 | 4435.9 | 4301.1 | 4174.6 | 3996.9 | 3854.1 |
| 52.5° | 5140.7 | 5159.4 | 5166.3 | 5147.7 | 5118.7 | 5032.7 | 4981.7 | 4869.0 | 4762.2 | 4611.2 | 4456.8 |
| 55°   | 5396.2 | 5464.8 | 5499.6 | 5539.1 | 5530.9 | 5500.7 | 5498.4 | 5425.3 | 5376.5 | 5256.9 | 5147.7 |
| 57.5° | 5712.0 | 5824.7 | 5932.7 | 6124.4 | 6131.3 | 6198.7 | 6233.5 | 6268.3 | 6277.6 | 6229.9 | 6194.0 |
| 60°   | 6113.9 | 6343.7 | 6548.2 | 6948.8 | 7053.3 | 7218.1 | 7325.0 | 7441.1 | 7539.8 | 7548.0 | 7545.6 |
| 62.5° | 6397.2 | 6751.4 | 7081.1 | 7675.8 | 7879.0 | 8069.3 | 8212.2 | 8324.9 | 8393.4 | 8463.0 | 8495.5 |
| 63°   | 6405.3 | 6793.2 | 7143.8 | 7757.0 | 7970.7 | 8151.8 | 8287.7 | 8392.2 | 8464.1 | 8506.0 | 8526.8 |
| 65°   | 6209.1 | 6679.4 | 7097.4 | 7708.2 | 7909.1 | 8091.4 | 8162.3 | 8230.8 | 8265.6 | 8281.9 | 8220.3 |
| 67.5° | 5262.7 | 5722.5 | 6210.3 | 6893.1 | 7064.9 | 7283.2 | 7341.2 | 7376.1 | 7392.3 | 7388.9 | 7336.6 |
| 70°   | 3935.4 | 4320.9 | 4863.2 | 5643.5 | 5871.2 | 6084.9 | 6217.2 | 6274.1 | 6292.6 | 6286.8 | 6209.1 |
| 72.5° | 2747.5 | 2973.9 | 3420.9 | 4289.5 | 4599.6 | 4873.7 | 5037.4 | 5122.2 | 5139.6 | 5104.8 | 5032.7 |
| 75°   | 2307.4 | 2319.0 | 2420.0 | 2894.9 | 3185.3 | 3477.8 | 3662.5 | 3716.0 | 3681.0 | 3575.4 | 3391.9 |
| 77.5° | 2060.0 | 2085.6 | 2085.6 | 2156.4 | 2213.3 | 2294.6 | 2312.0 | 2182.0 | 2031.0 | 1835.9 | 1677.9 |
| 80°   | 1727.9 | 1817.3 | 1880.0 | 1932.3 | 1938.1 | 1921.9 | 1878.9 | 1805.7 | 1689.5 | 1540.9 | 1376.1 |
| 82.5° | 1049.7 | 1226.2 | 1298.2 | 1567.7 | 1700.0 | 1789.4 | 1782.5 | 1685.0 | 1596.7 | 1442.3 | 1301.8 |
| 85°   | 264.8  | 285.7  | 310.1  | 402.9  | 451.7  | 551.6  | 614.3  | 643.3  | 653.8  | 600.3  | 543.4  |
| 87.5° | 25.6   | 17.4   | 29.0   | 22.1   | 31.4   | 23.2   | 31.4   | 29.0   | 36.0   | 38.3   | 41.8   |
| 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: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  |
| 2.5°  | 270.6  | 269.4  | 268.3  | 267.0  | 265.9  | 264.8  | 262.5  | 262.5  | 260.1  | 259.0  | 257.8  |
| 5°    | 300.7  | 298.4  | 297.3  | 294.9  | 291.5  | 289.1  | 285.7  | 281.0  | 277.5  | 276.4  | 274.1  |
| 7.5°  | 339.1  | 333.3  | 331.0  | 327.5  | 322.8  | 315.9  | 311.2  | 307.8  | 302.0  | 298.4  | 291.5  |
| 10°   | 382.1  | 376.3  | 369.2  | 362.3  | 355.3  | 347.3  | 341.5  | 336.8  | 327.5  | 322.8  | 314.7  |
| 12.5° | 436.6  | 426.2  | 418.0  | 408.7  | 399.5  | 390.2  | 383.2  | 369.2  | 361.1  | 350.7  | 343.7  |
| 15°   | 492.3  | 483.1  | 473.8  | 462.2  | 448.2  | 433.2  | 426.2  | 413.4  | 402.9  | 386.7  | 377.4  |
| 17.5° | 559.7  | 542.3  | 528.4  | 514.4  | 501.7  | 487.7  | 473.8  | 454.0  | 439.0  | 425.0  | 406.4  |
| 20°   | 625.9  | 605.0  | 589.9  | 571.3  | 552.7  | 530.7  | 514.4  | 500.5  | 479.6  | 461.0  | 441.2  |
| 22.5° | 696.7  | 675.9  | 651.4  | 632.8  | 607.4  | 589.9  | 567.9  | 544.7  | 523.7  | 499.4  | 474.9  |
| 25°   | 782.7  | 760.6  | 732.7  | 708.4  | 679.3  | 654.9  | 628.2  | 601.6  | 576.0  | 548.1  | 516.8  |
| 27.5° | 888.3  | 865.1  | 834.9  | 805.9  | 767.6  | 737.4  | 711.8  | 675.9  | 643.3  | 608.5  | 572.4  |
| 30°   | 1021.9 | 996.4  | 959.2  | 917.4  | 879.1  | 845.4  | 809.3  | 761.8  | 725.8  | 683.9  | 637.5  |
| 32.5° | 1196.1 | 1165.9 | 1116.0 | 1076.5 | 1028.8 | 984.8  | 934.8  | 887.2  | 836.1  | 781.6  | 728.1  |
| 35°   | 1415.5 | 1387.7 | 1329.6 | 1271.5 | 1219.3 | 1167.0 | 1104.4 | 1049.7 | 977.7  | 911.6  | 843.0  |
| 37.5° | 1643.1 | 1593.2 | 1539.8 | 1477.1 | 1412.0 | 1349.3 | 1272.7 | 1197.2 | 1114.8 | 1042.8 | 956.9  |
| 40°   | 1903.2 | 1842.9 | 1798.8 | 1731.4 | 1639.7 | 1550.3 | 1479.4 | 1385.4 | 1282.0 | 1185.6 | 1084.6 |
| 42.5° | 2259.8 | 2192.4 | 2113.5 | 2011.2 | 1945.1 | 1840.5 | 1748.8 | 1637.3 | 1501.5 | 1393.5 | 1271.5 |
| 45°   | 2672.0 | 2580.2 | 2503.6 | 2404.9 | 2324.8 | 2194.7 | 2087.9 | 1939.3 | 1803.4 | 1661.8 | 1513.1 |
| 47.5° | 3142.3 | 3028.5 | 2917.0 | 2819.5 | 2691.7 | 2563.9 | 2428.1 | 2270.2 | 2096.1 | 1940.4 | 1763.9 |
| 50°   | 3682.3 | 3520.8 | 3366.4 | 3240.9 | 3065.6 | 2918.1 | 2770.7 | 2593.1 | 2400.2 | 2221.5 | 2020.5 |
| 52.5° | 4282.6 | 4095.6 | 3891.3 | 3698.5 | 3495.3 | 3306.0 | 3128.4 | 2923.9 | 2709.1 | 2490.9 | 2266.7 |
| 55°   | 5007.3 | 4866.7 | 4626.3 | 4381.3 | 4109.5 | 3856.5 | 3627.7 | 3374.5 | 3113.3 | 2826.4 | 2590.7 |
| 57.5° | 6141.8 | 6073.2 | 5872.3 | 5627.3 | 5273.2 | 4965.4 | 4577.5 | 4267.5 | 3888.9 | 3494.1 | 3189.8 |
| 60°   | 7679.2 | 7594.4 | 7481.8 | 7283.2 | 7002.2 | 6584.1 | 6156.8 | 5674.9 | 5099.0 | 4552.0 | 4033.0 |
| 62.5° | 8499.0 | 8468.8 | 8377.1 | 8240.1 | 7977.6 | 7647.9 | 7217.0 | 6687.5 | 6037.2 | 5373.0 | 4711.1 |
| 63°   | 8523.4 | 8485.1 | 8406.1 | 8266.7 | 8035.6 | 7716.4 | 7293.7 | 6779.3 | 6142.9 | 5465.9 | 4790.1 |
| 65°   | 8193.6 | 8178.5 | 8098.3 | 7946.2 | 7788.4 | 7544.5 | 7217.0 | 6774.6 | 6240.4 | 5600.6 | 4928.3 |
| 67.5° | 7266.9 | 7221.7 | 7098.5 | 7052.1 | 6941.8 | 6772.2 | 6522.6 | 6218.3 | 5836.4 | 5333.5 | 4752.8 |
| 70°   | 6146.3 | 6079.1 | 5924.6 | 5842.2 | 5707.5 | 5600.6 | 5448.5 | 5231.3 | 4995.5 | 4644.9 | 4211.8 |
| 72.5° | 4958.4 | 4819.1 | 4677.4 | 4462.6 | 4274.5 | 4084.0 | 3915.6 | 3762.4 | 3503.4 | 3361.8 | 3033.2 |
| 75°   | 3220.1 | 2966.9 | 2724.2 | 2399.1 | 2106.4 | 1847.5 | 1595.5 | 1467.8 | 1201.9 | 1093.9 | 939.5  |
| 77.5° | 1528.2 | 1386.5 | 1196.1 | 1048.6 | 860.5  | 702.6  | 573.7  | 430.8  | 337.9  | 264.8  | 202.1  |
| 80°   | 1233.3 | 1113.6 | 998.7  | 865.1  | 723.4  | 577.1  | 442.4  | 331.0  | 234.6  | 162.6  | 114.9  |
| 82.5° | 1099.7 | 969.6  | 828.0  | 736.2  | 639.8  | 523.7  | 429.6  | 350.7  | 259.0  | 189.3  | 128.9  |
| 85°   | 427.4  | 360.0  | 277.5  | 226.4  | 176.5  | 145.2  | 131.2  | 90.6   | 70.9   | 55.8   | 43.0   |
| 87.5° | 37.2   | 30.2   | 24.4   | 16.3   | 17.4   | 9.3    | 10.5   | 6.9    | 5.8    | 5.8    | 4.7    |
| 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: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0  | 245.0 | 245.0 | 245.0 |
| 2.5°  | 256.6  | 255.4  | 254.3  | 252.0  | 252.0  | 249.6  | 248.5  | 247.4  | 241.6 | 228.8 | 218.3 |
| 5°    | 269.4  | 267.0  | 264.8  | 261.2  | 259.0  | 255.4  | 253.2  | 249.6  | 236.9 | 212.5 | 191.6 |
| 7.5°  | 288.0  | 283.3  | 279.9  | 272.8  | 269.4  | 264.8  | 261.2  | 255.4  | 234.6 | 197.4 | 168.4 |
| 10°   | 310.1  | 302.0  | 296.1  | 288.0  | 281.0  | 275.2  | 269.4  | 261.2  | 232.2 | 181.1 | 147.5 |
| 12.5° | 336.8  | 327.5  | 315.9  | 306.5  | 297.3  | 289.1  | 281.0  | 270.6  | 228.8 | 167.3 | 131.2 |
| 15°   | 363.4  | 349.5  | 341.5  | 328.6  | 315.9  | 304.2  | 292.6  | 283.3  | 229.9 | 152.1 | 117.3 |
| 17.5° | 393.7  | 379.7  | 362.3  | 348.4  | 334.4  | 319.4  | 305.4  | 286.8  | 224.1 | 140.5 | 106.8 |
| 20°   | 422.7  | 402.9  | 386.7  | 369.2  | 349.5  | 331.0  | 313.6  | 297.3  | 219.5 | 128.9 | 97.5  |
| 22.5° | 454.0  | 430.8  | 409.9  | 387.9  | 363.4  | 342.6  | 321.7  | 300.7  | 211.3 | 118.4 | 89.4  |
| 25°   | 492.3  | 465.7  | 435.4  | 408.7  | 383.2  | 357.6  | 331.0  | 305.4  | 203.2 | 109.1 | 83.6  |
| 27.5° | 538.9  | 503.9  | 473.8  | 440.1  | 404.1  | 371.6  | 342.6  | 314.7  | 195.1 | 102.2 | 77.8  |
| 30°   | 598.0  | 557.4  | 514.4  | 471.5  | 433.2  | 396.0  | 355.3  | 320.5  | 186.9 | 95.2  | 72.0  |
| 32.5° | 677.0  | 625.9  | 573.7  | 523.7  | 472.6  | 425.0  | 382.1  | 336.8  | 182.3 | 89.4  | 66.2  |
| 35°   | 781.6  | 715.3  | 651.4  | 588.7  | 527.2  | 469.1  | 413.4  | 362.3  | 182.3 | 82.5  | 59.2  |
| 37.5° | 880.2  | 803.5  | 722.3  | 644.5  | 571.3  | 503.9  | 437.8  | 376.3  | 173.1 | 76.7  | 53.4  |
| 40°   | 987.0  | 895.3  | 800.1  | 708.4  | 620.1  | 536.5  | 461.0  | 390.2  | 164.9 | 69.6  | 47.6  |
| 42.5° | 1150.8 | 1034.6 | 910.4  | 803.5  | 697.9  | 594.5  | 500.5  | 416.9  | 154.4 | 62.7  | 41.8  |
| 45°   | 1365.6 | 1218.1 | 1071.8 | 941.8  | 807.0  | 680.5  | 569.0  | 465.7  | 152.1 | 56.9  | 36.0  |
| 47.5° | 1595.5 | 1421.3 | 1249.4 | 1083.4 | 925.5  | 778.0  | 644.5  | 520.2  | 152.1 | 51.1  | 31.4  |
| 50°   | 1824.2 | 1606.0 | 1422.5 | 1229.7 | 1052.0 | 877.9  | 718.8  | 577.1  | 153.3 | 46.4  | 25.6  |
| 52.5° | 2031.0 | 1797.6 | 1592.0 | 1369.1 | 1172.8 | 970.8  | 797.7  | 632.8  | 151.0 | 40.6  | 20.9  |
| 55°   | 2317.8 | 2043.7 | 1805.7 | 1559.5 | 1329.6 | 1102.0 | 905.8  | 716.5  | 152.1 | 36.0  | 17.4  |
| 57.5° | 2846.1 | 2524.5 | 2237.7 | 1914.8 | 1650.1 | 1356.3 | 1118.2 | 888.3  | 166.0 | 30.2  | 12.7  |
| 60°   | 3604.5 | 3186.4 | 2783.4 | 2389.8 | 2053.1 | 1703.5 | 1394.6 | 1124.0 | 195.1 | 24.4  | 9.3   |
| 62.5° | 4114.2 | 3567.3 | 3086.5 | 2652.2 | 2260.9 | 1895.1 | 1558.3 | 1250.7 | 214.8 | 19.7  | 5.8   |
| 63°   | 4166.5 | 3600.9 | 3117.9 | 2669.6 | 2270.2 | 1904.5 | 1565.3 | 1259.9 | 216.0 | 18.5  | 5.8   |
| 65°   | 4265.2 | 3659.1 | 3135.3 | 2673.2 | 2260.9 | 1891.6 | 1560.7 | 1258.8 | 218.3 | 15.1  | 4.7   |
| 67.5° | 4152.5 | 3569.6 | 3034.3 | 2573.3 | 2179.6 | 1816.2 | 1502.6 | 1212.3 | 217.1 | 10.5  | 3.5   |
| 70°   | 3713.6 | 3230.6 | 2760.2 | 2330.6 | 1973.0 | 1644.2 | 1367.9 | 1105.5 | 199.7 | 6.9   | 2.3   |
| 72.5° | 2726.5 | 2397.9 | 2033.3 | 1723.2 | 1486.3 | 1234.4 | 1053.3 | 830.3  | 154.4 | 4.7   | 1.1   |
| 75°   | 808.2  | 736.2  | 619.0  | 545.8  | 481.9  | 398.3  | 354.2  | 276.4  | 79.0  | 2.3   | 0.0   |
| 77.5° | 161.5  | 146.3  | 131.2  | 119.6  | 112.6  | 96.4   | 91.7   | 75.4   | 32.5  | 1.1   | 0.0   |
| 80°   | 84.8   | 69.6   | 59.2   | 52.2   | 45.3   | 37.2   | 31.4   | 25.6   | 5.8   | 0.0   | 0.0   |
| 82.5° | 81.2   | 54.6   | 39.5   | 32.5   | 27.9   | 22.1   | 17.4   | 12.7   | 3.5   | 0.0   | 0.0   |
| 85°   | 30.2   | 23.2   | 17.4   | 13.9   | 11.6   | 10.5   | 8.1    | 6.9    | 0.0   | 0.0   | 0.0   |
| 87.5° | 4.7    | 3.5    | 3.5    | 2.3    | 2.3    | 1.1    | 1.1    | 1.1    | 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   |

REPORT NUMBER: P149333

CATALOG NUMBER: VXS-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 245.0 | 245.0 | 245.0 | 245.0 | 245.0 | 245.0 | 245.0 |
| 2.5°  | 207.9 | 198.5 | 193.9 | 188.1 | 188.1 | 186.9 | 189.3 |
| 5°    | 173.1 | 160.2 | 151.0 | 144.0 | 145.2 | 141.7 | 142.8 |
| 7.5°  | 146.3 | 133.6 | 125.4 | 120.7 | 119.6 | 118.4 | 118.4 |
| 10°   | 126.5 | 114.9 | 108.0 | 104.6 | 103.3 | 103.3 | 103.3 |
| 12.5° | 112.6 | 101.0 | 95.2  | 92.8  | 92.8  | 91.7  | 91.7  |
| 15°   | 101.0 | 91.7  | 85.9  | 83.6  | 83.6  | 82.5  | 83.6  |
| 17.5° | 91.7  | 82.5  | 77.8  | 75.4  | 75.4  | 74.3  | 74.3  |
| 20°   | 83.6  | 75.4  | 70.9  | 67.4  | 67.4  | 66.2  | 67.4  |
| 22.5° | 76.7  | 68.5  | 62.7  | 60.4  | 59.2  | 58.0  | 59.2  |
| 25°   | 69.6  | 61.6  | 55.8  | 52.2  | 51.1  | 51.1  | 49.9  |
| 27.5° | 63.8  | 55.8  | 48.8  | 45.3  | 44.1  | 44.1  | 43.0  |
| 30°   | 58.0  | 48.8  | 41.8  | 38.3  | 37.2  | 37.2  | 37.2  |
| 32.5° | 52.2  | 41.8  | 36.0  | 32.5  | 31.4  | 31.4  | 31.4  |
| 35°   | 46.4  | 36.0  | 30.2  | 26.7  | 25.6  | 25.6  | 25.6  |
| 37.5° | 39.5  | 30.2  | 23.2  | 20.9  | 19.7  | 18.5  | 18.5  |
| 40°   | 33.7  | 23.2  | 17.4  | 15.1  | 12.7  | 12.7  | 12.7  |
| 42.5° | 27.9  | 18.5  | 12.7  | 9.3   | 8.1   | 6.9   | 8.1   |
| 45°   | 23.2  | 13.9  | 8.1   | 4.7   | 3.5   | 3.5   | 3.5   |
| 47.5° | 18.5  | 9.3   | 3.5   | 1.1   | 1.1   | 1.1   | 1.1   |
| 50°   | 13.9  | 5.8   | 1.1   | 0.0   | 0.0   | 1.1   | 1.1   |
| 52.5° | 10.5  | 3.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 5.8   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 3.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 2.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)