

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: P149347

Luminaire Tested: **VXS-F06-LED-E1-SL2-HSS-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149347
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-F06-LED-E1-SL2-HSS-7060
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9319.1 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5
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

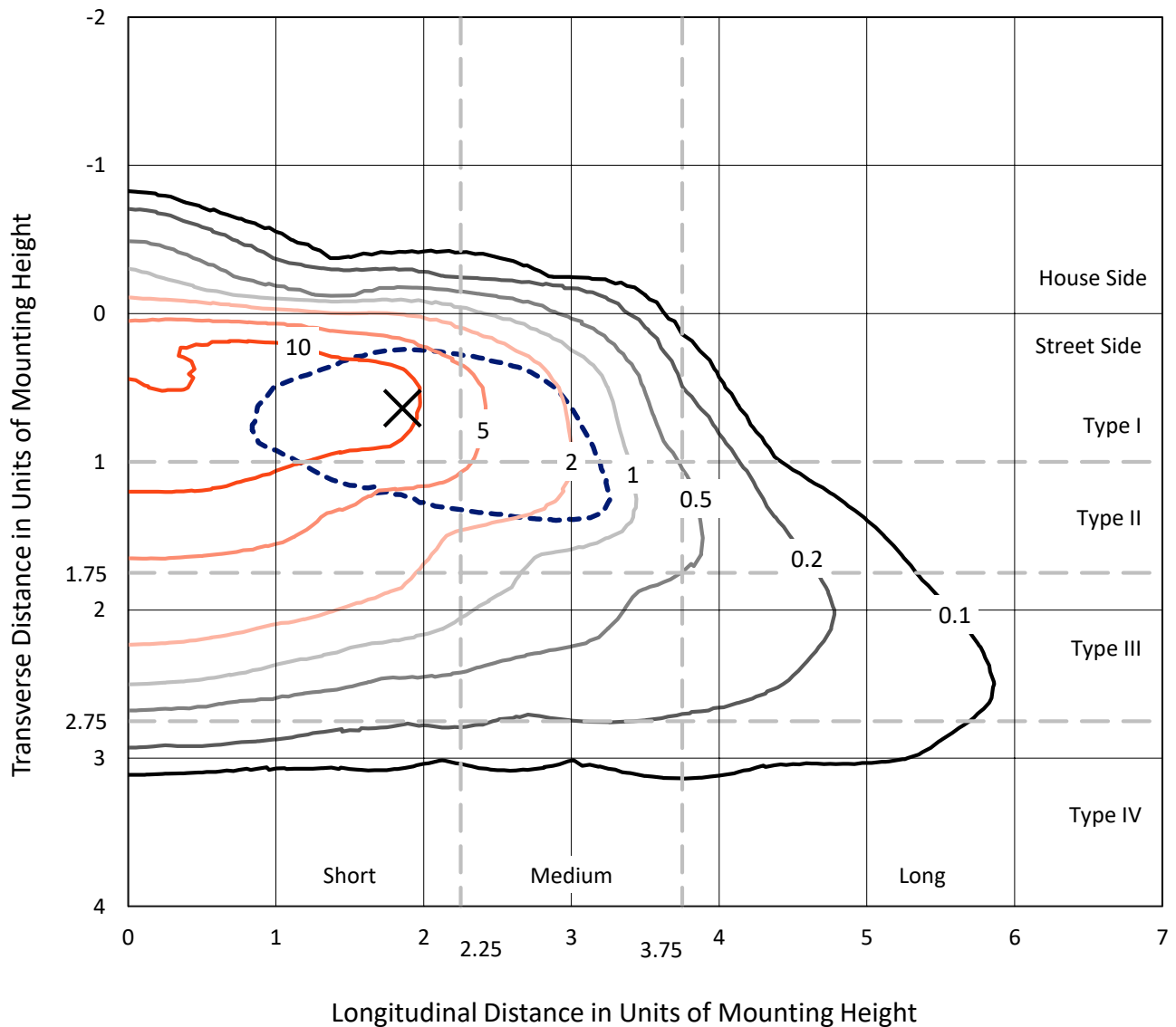


REPORT NUMBER: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

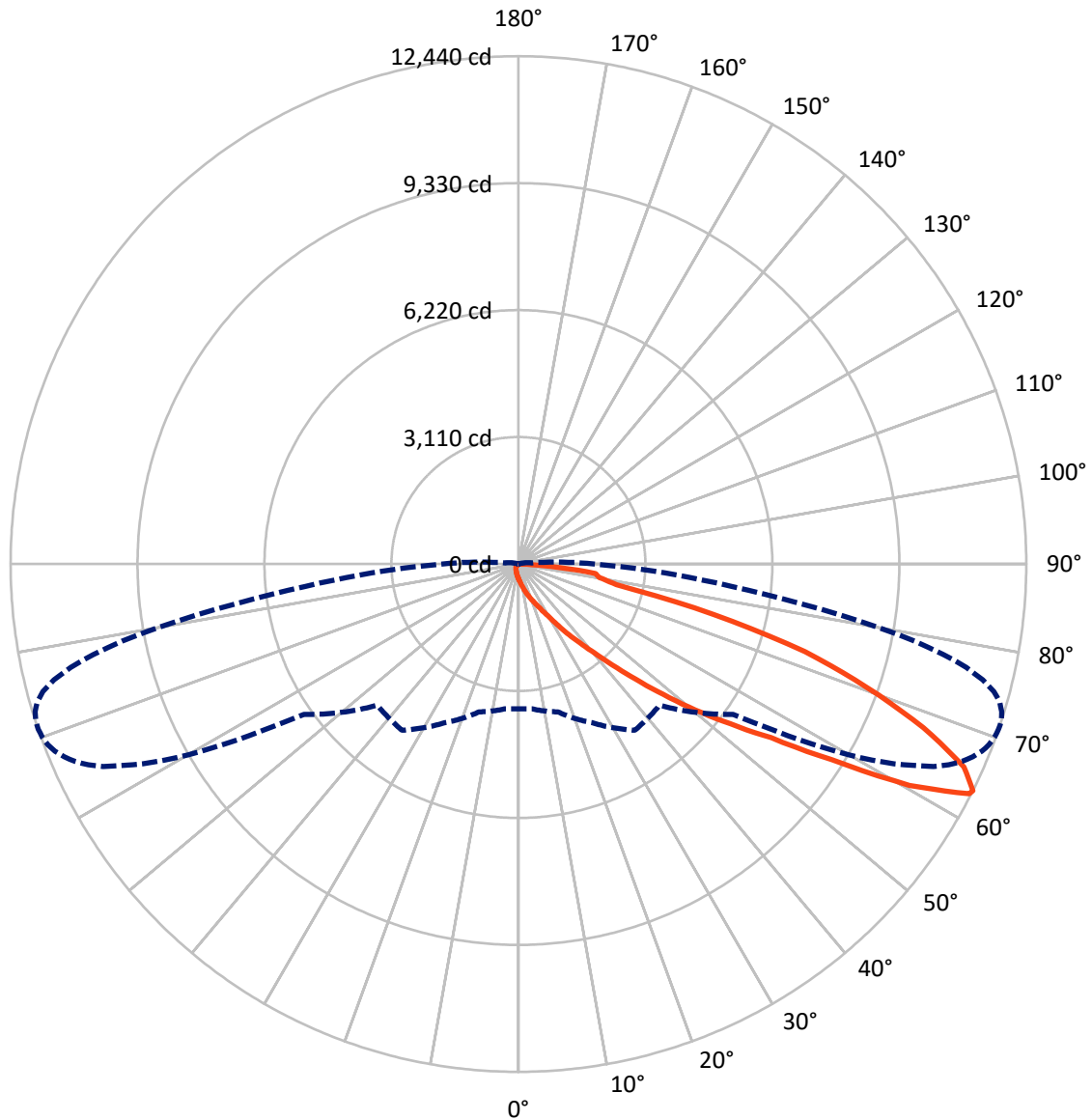


Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P149347

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

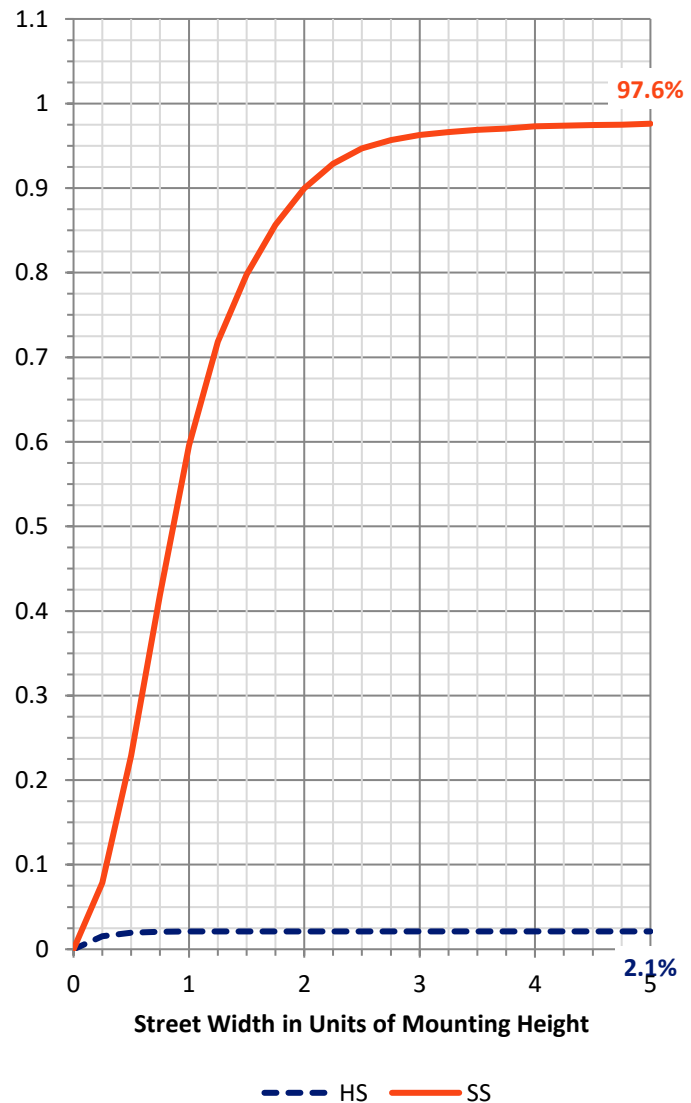
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 197.9 | 0.0 | 197.9 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 9121.2 | 0.0 | 9121.2 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 9319.1 | 0.0 | 9319.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.5 | 0.4 |
| 10°-20° | 153.2 | 1.6 |
| 20°-30° | 311.2 | 3.3 |
| 30°-40° | 760.4 | 8.2 |
| 40°-50° | 1700.6 | 18.2 |
| 50°-60° | 2391.2 | 25.7 |
| 60°-70° | 2811.8 | 30.2 |
| 70°-80° | 1015.3 | 10.9 |
| 80°-90° | 135.8 | 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° | 9319.1 | 100.0 |
| 0°-180° | 9319.1 | 100.0 |



REPORT NUMBER: P149347

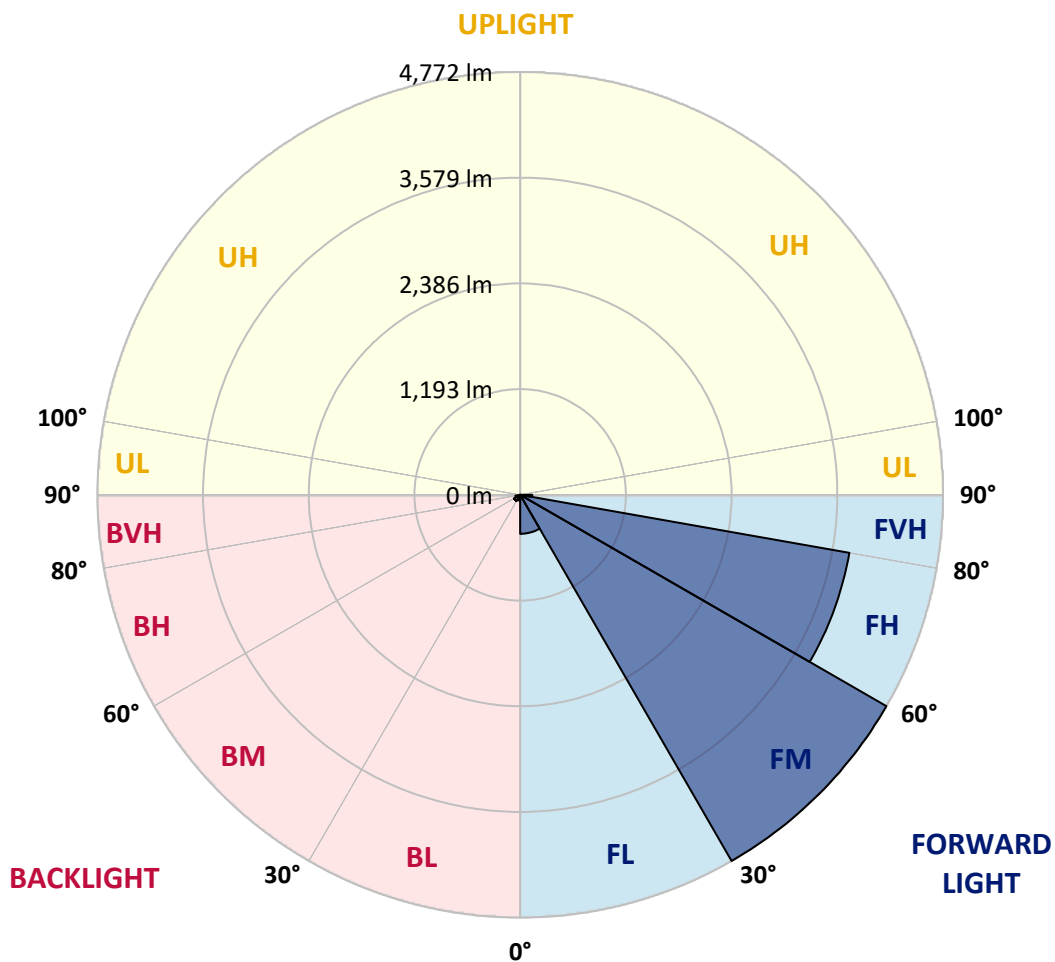
CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 440.4 | 4.7 | | | |
| FM (30°-60°) | 4772.4 | 51.2 | | | |
| FH (60°-80°) | 3772.9 | 40.5 | | | G2/5000 |
| FVH (80°-90°) | 135.5 | 1.5 | | | G2/225 |
| BL (0°-30°) | 63.6 | 0.7 | B0/110 | | |
| BM (30°-60°) | 79.7 | 0.9 | B0/220 | | |
| BH (60°-80°) | 54.2 | 0.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.3 | 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: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 |
| 2.5° | 467.6 | 472.6 | 469.3 | 460.8 | 450.7 | 437.1 | 425.2 | 425.2 | 423.5 | 418.4 | 420.1 |
| 5° | 613.3 | 615.0 | 608.2 | 587.9 | 569.2 | 540.4 | 508.3 | 504.9 | 501.5 | 496.4 | 494.7 |
| 7.5° | 755.5 | 762.4 | 755.5 | 733.6 | 696.3 | 652.2 | 601.5 | 596.4 | 586.2 | 586.2 | 579.4 |
| 10° | 901.2 | 901.2 | 894.5 | 869.1 | 835.2 | 772.5 | 708.2 | 699.7 | 687.9 | 684.5 | 674.3 |
| 12.5° | 1004.7 | 1004.7 | 1001.2 | 987.7 | 960.6 | 904.7 | 826.7 | 818.2 | 803.0 | 797.9 | 786.1 |
| 15° | 1045.3 | 1045.3 | 1046.9 | 1058.9 | 1060.5 | 1035.1 | 953.8 | 947.0 | 931.8 | 918.2 | 913.2 |
| 17.5° | 1070.7 | 1069.0 | 1069.0 | 1085.9 | 1116.5 | 1133.4 | 1080.8 | 1074.1 | 1057.2 | 1050.4 | 1033.5 |
| 20° | 1126.6 | 1123.2 | 1113.1 | 1113.1 | 1141.9 | 1201.1 | 1201.1 | 1199.5 | 1180.8 | 1175.8 | 1167.3 |
| 22.5° | 1209.6 | 1206.2 | 1175.8 | 1150.4 | 1163.8 | 1238.4 | 1307.9 | 1304.5 | 1297.7 | 1291.0 | 1285.9 |
| 25° | 1345.2 | 1333.3 | 1280.8 | 1206.2 | 1194.4 | 1274.0 | 1389.2 | 1397.7 | 1402.8 | 1402.8 | 1406.1 |
| 27.5° | 1550.2 | 1534.9 | 1441.8 | 1302.8 | 1250.3 | 1331.6 | 1479.0 | 1496.0 | 1511.2 | 1514.6 | 1529.8 |
| 30° | 1834.7 | 1807.7 | 1673.8 | 1470.6 | 1350.3 | 1416.3 | 1611.1 | 1629.7 | 1651.8 | 1658.5 | 1682.3 |
| 32.5° | 2302.4 | 2287.2 | 2158.3 | 1853.4 | 1595.9 | 1582.4 | 1795.8 | 1819.5 | 1848.3 | 1860.2 | 1889.0 |
| 35° | 3013.9 | 3017.3 | 2912.2 | 2637.8 | 2282.1 | 2095.6 | 2126.1 | 2146.5 | 2156.7 | 2192.2 | 2207.5 |
| 37.5° | 3496.7 | 3505.2 | 3528.9 | 3420.5 | 3166.3 | 2976.6 | 2737.7 | 2759.8 | 2707.3 | 2712.3 | 2714.0 |
| 40° | 3761.0 | 3788.1 | 3927.0 | 4032.1 | 4011.7 | 3901.7 | 3710.2 | 3722.1 | 3623.8 | 3601.8 | 3495.0 |
| 42.5° | 3937.2 | 3972.7 | 4194.7 | 4520.0 | 4686.0 | 4786.0 | 4742.0 | 4736.9 | 4660.6 | 4631.8 | 4542.0 |
| 45° | 4047.4 | 4079.5 | 4359.1 | 4838.4 | 5221.3 | 5512.7 | 5633.1 | 5646.6 | 5582.3 | 5553.5 | 5478.9 |
| 47.5° | 4042.3 | 4079.5 | 4379.4 | 4957.1 | 5521.2 | 5987.2 | 6326.0 | 6342.9 | 6381.9 | 6356.5 | 6361.6 |
| 50° | 3818.7 | 3854.2 | 4155.8 | 4755.4 | 5433.2 | 6203.9 | 6824.0 | 6878.2 | 6940.9 | 6983.3 | 7003.6 |
| 52.5° | 3547.6 | 3573.0 | 3840.6 | 4409.8 | 5057.0 | 6114.2 | 7118.9 | 7212.0 | 7305.2 | 7384.8 | 7440.7 |
| 55° | 3447.6 | 3476.4 | 3686.4 | 4159.2 | 4755.4 | 5738.1 | 7256.1 | 7393.3 | 7525.4 | 7655.9 | 7762.6 |
| 57.5° | 3500.1 | 3527.3 | 3678.0 | 4040.5 | 4575.9 | 5341.7 | 7295.0 | 7508.5 | 7725.3 | 7937.1 | 8147.2 |
| 60° | 3693.3 | 3722.1 | 3850.8 | 4150.7 | 4528.5 | 5113.0 | 7142.6 | 7496.6 | 7857.5 | 8226.8 | 8574.1 |
| 62.5° | 3617.0 | 3628.9 | 3818.7 | 4343.8 | 4867.3 | 4918.1 | 6588.6 | 7083.2 | 7633.9 | 8203.1 | 8763.8 |
| 63° | 3544.1 | 3557.7 | 3750.9 | 4291.3 | 4970.7 | 4889.3 | 6417.4 | 6939.3 | 7520.3 | 8133.6 | 8743.5 |
| 65° | 3213.8 | 3215.5 | 3362.9 | 3789.8 | 4855.4 | 4940.1 | 5655.0 | 6153.2 | 6820.6 | 7556.0 | 8326.7 |
| 67.5° | 2399.0 | 2387.0 | 2529.3 | 2854.6 | 3811.8 | 4941.9 | 4853.8 | 5133.3 | 5597.5 | 6249.7 | 6940.9 |
| 70° | 850.5 | 831.8 | 1062.3 | 1512.8 | 2375.2 | 4042.3 | 4171.0 | 4189.6 | 4318.3 | 4670.8 | 5104.5 |
| 72.5° | 276.2 | 281.2 | 338.9 | 554.0 | 1094.4 | 2720.8 | 3776.3 | 3718.7 | 3684.8 | 3683.1 | 3740.7 |
| 75° | 110.2 | 111.8 | 135.5 | 245.7 | 491.3 | 1311.3 | 3306.9 | 3339.2 | 3351.0 | 3368.0 | 3386.6 |
| 77.5° | 52.5 | 57.6 | 76.3 | 137.2 | 243.9 | 648.8 | 2366.7 | 2639.5 | 2795.3 | 2915.6 | 2988.5 |
| 80° | 18.7 | 22.1 | 42.4 | 84.7 | 113.5 | 298.1 | 1246.9 | 1504.5 | 1733.2 | 2027.9 | 2282.1 |
| 82.5° | 0.0 | 0.0 | 8.5 | 59.3 | 62.7 | 120.3 | 511.6 | 599.7 | 686.1 | 889.4 | 1141.9 |
| 85° | 0.0 | 0.0 | 0.0 | 16.9 | 18.7 | 20.3 | 172.8 | 208.4 | 233.8 | 272.7 | 315.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 5.1 | 10.2 | 25.4 | 39.0 |
| 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: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 |
| 2.5° | 416.8 | 415.0 | 415.0 | 411.7 | 409.9 | 406.6 | 404.9 | 399.8 | 398.1 | 398.1 | 398.1 |
| 5° | 493.0 | 486.2 | 482.8 | 474.4 | 469.3 | 467.6 | 459.1 | 455.8 | 450.7 | 452.3 | 443.8 |
| 7.5° | 577.7 | 565.8 | 560.7 | 548.9 | 545.5 | 533.7 | 530.3 | 521.8 | 516.7 | 506.5 | 503.2 |
| 10° | 670.9 | 655.6 | 647.2 | 628.5 | 623.4 | 615.0 | 604.8 | 594.6 | 586.2 | 576.1 | 570.9 |
| 12.5° | 777.6 | 764.0 | 757.3 | 731.9 | 720.0 | 708.2 | 694.6 | 681.0 | 667.5 | 659.1 | 647.2 |
| 15° | 903.0 | 880.9 | 874.2 | 850.5 | 830.2 | 814.9 | 796.3 | 779.3 | 769.1 | 752.2 | 740.3 |
| 17.5° | 1026.6 | 1004.7 | 999.6 | 963.9 | 942.0 | 931.8 | 911.5 | 889.4 | 870.8 | 853.9 | 835.2 |
| 20° | 1150.4 | 1135.1 | 1121.6 | 1087.7 | 1063.9 | 1046.9 | 1019.9 | 997.8 | 982.6 | 958.9 | 935.1 |
| 22.5° | 1274.0 | 1258.8 | 1248.6 | 1213.1 | 1191.0 | 1167.3 | 1143.5 | 1119.8 | 1097.8 | 1069.0 | 1041.9 |
| 25° | 1401.0 | 1390.9 | 1385.8 | 1353.6 | 1333.3 | 1311.3 | 1287.6 | 1260.4 | 1233.4 | 1201.1 | 1172.3 |
| 27.5° | 1533.2 | 1536.6 | 1526.4 | 1519.7 | 1497.6 | 1482.4 | 1445.1 | 1426.4 | 1406.1 | 1367.2 | 1331.6 |
| 30° | 1700.9 | 1711.1 | 1707.7 | 1712.7 | 1699.3 | 1689.1 | 1660.3 | 1636.6 | 1612.8 | 1575.5 | 1534.9 |
| 32.5° | 1912.7 | 1926.2 | 1933.1 | 1951.7 | 1944.9 | 1941.5 | 1933.1 | 1899.2 | 1882.2 | 1817.8 | 1800.9 |
| 35° | 2239.7 | 2232.8 | 2261.7 | 2276.9 | 2270.2 | 2266.7 | 2256.6 | 2237.9 | 2217.6 | 2171.9 | 2129.5 |
| 37.5° | 2664.9 | 2671.7 | 2681.9 | 2651.3 | 2631.0 | 2629.3 | 2598.9 | 2580.2 | 2551.4 | 2500.5 | 2449.7 |
| 40° | 3444.2 | 3401.9 | 3354.4 | 3225.7 | 3169.7 | 3137.6 | 3047.8 | 3022.4 | 2973.3 | 2903.7 | 2851.3 |
| 42.5° | 4457.3 | 4414.9 | 4272.6 | 4057.5 | 3942.3 | 3783.0 | 3710.2 | 3620.4 | 3551.0 | 3437.4 | 3376.5 |
| 45° | 5463.6 | 5341.7 | 5324.8 | 5074.0 | 4931.7 | 4721.6 | 4591.2 | 4440.4 | 4282.8 | 4133.7 | 4025.3 |
| 47.5° | 6312.4 | 6285.3 | 6202.3 | 6049.8 | 5917.7 | 5741.5 | 5573.8 | 5341.7 | 5179.1 | 4967.3 | 4772.4 |
| 50° | 6991.8 | 6990.1 | 6959.6 | 6871.5 | 6761.3 | 6619.1 | 6471.6 | 6275.1 | 6090.5 | 5831.3 | 5622.9 |
| 52.5° | 7500.0 | 7527.2 | 7537.3 | 7510.2 | 7467.8 | 7342.5 | 7267.9 | 7103.6 | 6947.7 | 6727.5 | 6502.2 |
| 55° | 7872.7 | 7972.6 | 8023.5 | 8081.1 | 8069.2 | 8025.2 | 8021.8 | 7915.0 | 7843.9 | 7669.4 | 7510.2 |
| 57.5° | 8333.6 | 8497.8 | 8655.4 | 8934.9 | 8945.1 | 9043.4 | 9094.2 | 9145.1 | 9158.5 | 9089.1 | 9036.6 |
| 60° | 8919.7 | 9255.1 | 9553.4 | 10137.8 | 10290.3 | 10530.9 | 10686.7 | 10856.2 | 11000.1 | 11012.0 | 11008.6 |
| 62.5° | 9333.1 | 9849.8 | 10331.0 | 11198.3 | 11494.8 | 11772.6 | 11981.0 | 12145.4 | 12245.3 | 12346.9 | 12394.4 |
| 63° | 9345.0 | 9910.8 | 10422.4 | 11316.9 | 11628.7 | 11893.0 | 12091.2 | 12243.6 | 12348.7 | 12409.6 | 12440.1 |
| 65° | 9058.7 | 9744.8 | 10354.6 | 11245.8 | 11538.9 | 11804.9 | 11908.2 | 12008.2 | 12059.0 | 12082.7 | 11992.8 |
| 67.5° | 7677.9 | 8348.8 | 9060.3 | 10056.5 | 10307.3 | 10625.7 | 10710.5 | 10761.2 | 10785.0 | 10779.9 | 10703.6 |
| 70° | 5741.5 | 6303.9 | 7095.1 | 8233.6 | 8565.6 | 8877.3 | 9070.5 | 9153.5 | 9180.6 | 9172.1 | 9058.7 |
| 72.5° | 4008.4 | 4338.8 | 4991.0 | 6258.2 | 6710.6 | 7110.4 | 7349.2 | 7472.8 | 7498.3 | 7447.5 | 7342.5 |
| 75° | 3366.3 | 3383.2 | 3530.6 | 4223.5 | 4647.0 | 5074.0 | 5343.3 | 5421.2 | 5370.5 | 5216.3 | 4948.6 |
| 77.5° | 3005.4 | 3042.7 | 3042.7 | 3146.0 | 3229.0 | 3347.7 | 3373.1 | 3183.3 | 2963.1 | 2678.4 | 2448.1 |
| 80° | 2520.9 | 2651.3 | 2742.8 | 2819.1 | 2827.6 | 2803.8 | 2741.1 | 2634.4 | 2465.0 | 2248.2 | 2007.6 |
| 82.5° | 1531.5 | 1789.0 | 1894.1 | 2287.2 | 2480.2 | 2610.7 | 2600.5 | 2458.2 | 2329.4 | 2104.1 | 1899.2 |
| 85° | 386.2 | 416.8 | 452.3 | 587.9 | 659.1 | 804.8 | 896.2 | 938.5 | 953.8 | 875.9 | 792.8 |
| 87.5° | 37.3 | 25.4 | 42.4 | 32.2 | 45.7 | 33.9 | 45.7 | 42.4 | 52.5 | 56.0 | 61.0 |
| 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: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 |
| 2.5° | 394.7 | 393.1 | 391.4 | 389.6 | 388.0 | 386.2 | 382.9 | 382.9 | 379.5 | 377.8 | 376.1 |
| 5° | 438.8 | 435.4 | 433.7 | 430.4 | 425.2 | 421.9 | 416.8 | 409.9 | 404.9 | 403.2 | 399.8 |
| 7.5° | 494.7 | 486.2 | 482.8 | 477.7 | 471.0 | 460.8 | 454.0 | 448.9 | 440.5 | 435.4 | 425.2 |
| 10° | 557.4 | 548.9 | 538.8 | 528.6 | 518.4 | 506.5 | 498.0 | 491.3 | 477.7 | 471.0 | 459.1 |
| 12.5° | 637.0 | 621.8 | 609.8 | 596.4 | 582.8 | 569.2 | 559.1 | 538.8 | 526.8 | 511.6 | 501.5 |
| 15° | 718.3 | 704.8 | 691.2 | 674.3 | 654.0 | 631.9 | 621.8 | 603.1 | 587.9 | 564.1 | 550.6 |
| 17.5° | 816.6 | 791.2 | 770.9 | 750.5 | 731.9 | 711.5 | 691.2 | 662.4 | 640.4 | 620.1 | 593.0 |
| 20° | 913.2 | 882.7 | 860.6 | 833.5 | 806.4 | 774.2 | 750.5 | 730.2 | 699.7 | 672.5 | 643.7 |
| 22.5° | 1016.5 | 986.0 | 950.5 | 923.3 | 886.0 | 860.6 | 828.4 | 794.5 | 764.0 | 728.5 | 693.0 |
| 25° | 1141.9 | 1109.6 | 1069.0 | 1033.5 | 991.1 | 955.5 | 916.6 | 877.6 | 840.3 | 799.7 | 753.9 |
| 27.5° | 1296.1 | 1262.2 | 1218.1 | 1175.8 | 1119.8 | 1075.8 | 1038.5 | 986.0 | 938.5 | 887.8 | 835.2 |
| 30° | 1490.9 | 1453.6 | 1399.4 | 1338.3 | 1282.5 | 1233.4 | 1180.8 | 1111.4 | 1058.9 | 997.8 | 930.1 |
| 32.5° | 1745.0 | 1700.9 | 1628.1 | 1570.5 | 1501.0 | 1436.7 | 1363.8 | 1294.3 | 1219.8 | 1140.2 | 1062.3 |
| 35° | 2065.2 | 2024.6 | 1939.8 | 1855.1 | 1778.9 | 1702.6 | 1611.1 | 1531.5 | 1426.4 | 1329.9 | 1229.9 |
| 37.5° | 2397.2 | 2324.4 | 2246.4 | 2154.9 | 2060.1 | 1968.6 | 1856.8 | 1746.6 | 1626.4 | 1521.3 | 1396.0 |
| 40° | 2776.7 | 2688.6 | 2624.2 | 2526.0 | 2392.1 | 2261.7 | 2158.3 | 2021.1 | 1870.4 | 1729.7 | 1582.4 |
| 42.5° | 3296.8 | 3198.5 | 3083.3 | 2934.3 | 2837.7 | 2685.2 | 2551.4 | 2388.7 | 2190.6 | 2033.0 | 1855.1 |
| 45° | 3898.2 | 3764.4 | 3652.5 | 3508.6 | 3391.7 | 3202.0 | 3046.1 | 2829.2 | 2631.0 | 2424.4 | 2207.5 |
| 47.5° | 4584.4 | 4418.3 | 4255.8 | 4113.4 | 3927.0 | 3740.7 | 3542.5 | 3312.0 | 3057.9 | 2830.9 | 2573.4 |
| 50° | 5372.1 | 5136.7 | 4911.3 | 4728.4 | 4472.5 | 4257.4 | 4042.3 | 3783.0 | 3501.8 | 3240.9 | 2947.8 |
| 52.5° | 6248.0 | 5975.2 | 5677.1 | 5395.9 | 5099.4 | 4823.2 | 4564.0 | 4265.9 | 3952.4 | 3634.0 | 3306.9 |
| 55° | 7305.2 | 7100.2 | 6749.5 | 6392.0 | 5995.6 | 5626.3 | 5292.5 | 4923.2 | 4542.0 | 4123.5 | 3779.7 |
| 57.5° | 8960.4 | 8860.4 | 8567.4 | 8209.8 | 7693.2 | 7244.1 | 6678.3 | 6226.0 | 5673.7 | 5097.7 | 4653.8 |
| 60° | 11203.4 | 11079.8 | 10915.4 | 10625.7 | 10215.8 | 9605.8 | 8982.4 | 8279.3 | 7439.1 | 6641.0 | 5883.8 |
| 62.5° | 12399.5 | 12355.4 | 12221.7 | 12021.7 | 11638.9 | 11157.7 | 10529.1 | 9756.6 | 8807.9 | 7838.9 | 6873.2 |
| 63° | 12435.0 | 12379.2 | 12263.9 | 12060.6 | 11723.5 | 11257.6 | 10640.9 | 9890.5 | 8962.1 | 7974.4 | 6988.4 |
| 65° | 11953.9 | 11931.9 | 11815.0 | 11593.1 | 11362.7 | 11006.9 | 10529.1 | 9883.6 | 9104.4 | 8170.9 | 7189.9 |
| 67.5° | 10602.0 | 10536.0 | 10356.4 | 10288.6 | 10127.7 | 9880.3 | 9516.1 | 9072.2 | 8514.8 | 7781.2 | 6934.2 |
| 70° | 8967.2 | 8868.9 | 8643.5 | 8523.3 | 8326.7 | 8170.9 | 7948.9 | 7632.1 | 7288.3 | 6776.6 | 6144.7 |
| 72.5° | 7234.0 | 7030.8 | 6824.0 | 6510.7 | 6236.2 | 5958.3 | 5712.6 | 5489.0 | 5111.3 | 4904.6 | 4425.1 |
| 75° | 4697.9 | 4328.6 | 3974.5 | 3500.1 | 3073.2 | 2695.4 | 2327.8 | 2141.5 | 1753.5 | 1595.9 | 1370.6 |
| 77.5° | 2229.5 | 2022.8 | 1745.0 | 1529.8 | 1255.3 | 1025.0 | 836.9 | 628.5 | 493.0 | 386.2 | 294.8 |
| 80° | 1799.2 | 1624.7 | 1457.0 | 1262.2 | 1055.4 | 842.0 | 645.5 | 482.8 | 342.2 | 237.2 | 167.8 |
| 82.5° | 1604.4 | 1414.6 | 1208.0 | 1074.1 | 933.5 | 764.0 | 626.8 | 511.6 | 377.8 | 276.2 | 188.1 |
| 85° | 623.4 | 525.2 | 404.9 | 330.4 | 257.5 | 211.8 | 191.4 | 132.1 | 103.3 | 81.3 | 62.7 |
| 87.5° | 54.2 | 44.0 | 35.5 | 23.7 | 25.4 | 13.6 | 15.2 | 10.2 | 8.5 | 8.5 | 6.7 |
| 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: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 |
| 2.5° | 374.4 | 372.7 | 371.0 | 367.7 | 367.7 | 364.2 | 362.6 | 360.8 | 352.4 | 333.8 | 318.5 |
| 5° | 393.1 | 389.6 | 386.2 | 381.1 | 377.8 | 372.7 | 369.3 | 364.2 | 345.6 | 310.1 | 279.6 |
| 7.5° | 420.1 | 413.4 | 408.3 | 398.1 | 393.1 | 386.2 | 381.1 | 372.7 | 342.2 | 288.0 | 245.7 |
| 10° | 452.3 | 440.5 | 432.0 | 420.1 | 409.9 | 401.6 | 393.1 | 381.1 | 338.9 | 264.2 | 215.1 |
| 12.5° | 491.3 | 477.7 | 460.8 | 447.3 | 433.7 | 421.9 | 409.9 | 394.7 | 333.8 | 243.9 | 191.4 |
| 15° | 530.3 | 509.9 | 498.0 | 479.5 | 460.8 | 443.8 | 426.9 | 413.4 | 335.4 | 222.0 | 171.1 |
| 17.5° | 574.3 | 554.0 | 528.6 | 508.3 | 487.9 | 465.9 | 445.6 | 418.4 | 326.9 | 205.0 | 155.9 |
| 20° | 616.7 | 587.9 | 564.1 | 538.8 | 509.9 | 482.8 | 457.4 | 433.7 | 320.2 | 188.1 | 142.3 |
| 22.5° | 662.4 | 628.5 | 598.0 | 565.8 | 530.3 | 499.8 | 469.3 | 438.8 | 308.3 | 172.8 | 130.5 |
| 25° | 718.3 | 679.4 | 635.3 | 596.4 | 559.1 | 521.8 | 482.8 | 445.6 | 296.5 | 159.3 | 122.0 |
| 27.5° | 786.1 | 735.2 | 691.2 | 642.1 | 589.5 | 542.2 | 499.8 | 459.1 | 284.7 | 149.1 | 113.5 |
| 30° | 872.5 | 813.2 | 750.5 | 687.9 | 631.9 | 577.7 | 518.4 | 467.6 | 272.7 | 139.0 | 105.1 |
| 32.5° | 987.7 | 913.2 | 836.9 | 764.0 | 689.5 | 620.1 | 557.4 | 491.3 | 266.0 | 130.5 | 96.6 |
| 35° | 1140.2 | 1043.6 | 950.5 | 859.0 | 769.1 | 684.5 | 603.1 | 528.6 | 266.0 | 120.3 | 86.4 |
| 37.5° | 1284.1 | 1172.3 | 1053.8 | 940.2 | 833.5 | 735.2 | 638.7 | 548.9 | 252.4 | 111.8 | 77.9 |
| 40° | 1440.0 | 1306.2 | 1167.3 | 1033.5 | 904.7 | 782.7 | 672.5 | 569.2 | 240.5 | 101.7 | 69.4 |
| 42.5° | 1678.9 | 1509.5 | 1328.2 | 1172.3 | 1018.1 | 867.4 | 730.2 | 608.2 | 225.3 | 91.5 | 61.0 |
| 45° | 1992.3 | 1777.2 | 1563.7 | 1374.0 | 1177.4 | 992.7 | 830.2 | 679.4 | 222.0 | 83.0 | 52.5 |
| 47.5° | 2327.8 | 2073.7 | 1822.9 | 1580.6 | 1350.3 | 1135.1 | 940.2 | 759.0 | 222.0 | 74.5 | 45.7 |
| 50° | 2661.6 | 2343.0 | 2075.3 | 1794.1 | 1534.9 | 1280.8 | 1048.7 | 842.0 | 223.6 | 67.8 | 37.3 |
| 52.5° | 2963.1 | 2622.6 | 2322.7 | 1997.4 | 1711.1 | 1416.3 | 1163.8 | 923.3 | 220.2 | 59.3 | 30.5 |
| 55° | 3381.6 | 2981.7 | 2634.4 | 2275.2 | 1939.8 | 1607.8 | 1321.5 | 1045.3 | 222.0 | 52.5 | 25.4 |
| 57.5° | 4152.3 | 3683.1 | 3264.7 | 2793.7 | 2407.4 | 1978.8 | 1631.5 | 1296.1 | 242.3 | 44.0 | 18.7 |
| 60° | 5258.7 | 4648.7 | 4060.8 | 3486.5 | 2995.2 | 2485.3 | 2034.7 | 1639.9 | 284.7 | 35.5 | 13.6 |
| 62.5° | 6002.4 | 5204.5 | 4503.0 | 3869.4 | 3298.5 | 2764.9 | 2273.6 | 1824.6 | 313.4 | 28.8 | 8.5 |
| 63° | 6078.7 | 5253.6 | 4548.8 | 3894.8 | 3312.0 | 2778.4 | 2283.7 | 1838.1 | 315.1 | 27.2 | 8.5 |
| 65° | 6222.6 | 5338.2 | 4574.2 | 3899.9 | 3298.5 | 2759.8 | 2276.9 | 1836.5 | 318.5 | 22.1 | 6.7 |
| 67.5° | 6058.2 | 5207.8 | 4426.8 | 3754.2 | 3179.9 | 2649.6 | 2192.2 | 1768.7 | 316.8 | 15.2 | 5.1 |
| 70° | 5417.9 | 4713.2 | 4027.0 | 3400.2 | 2878.3 | 2399.0 | 1995.8 | 1612.8 | 291.4 | 10.2 | 3.4 |
| 72.5° | 3977.8 | 3498.4 | 2966.4 | 2514.1 | 2168.5 | 1800.9 | 1536.6 | 1211.3 | 225.3 | 6.7 | 1.7 |
| 75° | 1179.2 | 1074.1 | 903.0 | 796.3 | 703.1 | 581.1 | 516.7 | 403.2 | 115.2 | 3.4 | 0.0 |
| 77.5° | 235.4 | 213.5 | 191.4 | 174.5 | 164.4 | 140.6 | 133.9 | 110.2 | 47.5 | 1.7 | 0.0 |
| 80° | 123.6 | 101.7 | 86.4 | 76.3 | 66.1 | 54.2 | 45.7 | 37.3 | 8.5 | 0.0 | 0.0 |
| 82.5° | 118.5 | 79.6 | 57.6 | 47.5 | 40.6 | 32.2 | 25.4 | 18.7 | 5.1 | 0.0 | 0.0 |
| 85° | 44.0 | 33.9 | 25.4 | 20.3 | 16.9 | 15.2 | 11.8 | 10.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.7 | 5.1 | 5.1 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 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: P149347

CATALOG NUMBER: VXS-F06-LED-E1-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 | 357.5 |
| 2.5° | 303.2 | 289.7 | 282.9 | 274.4 | 274.4 | 272.7 | 276.2 |
| 5° | 252.4 | 233.8 | 220.2 | 210.1 | 211.8 | 206.7 | 208.4 |
| 7.5° | 213.5 | 194.8 | 183.0 | 176.2 | 174.5 | 172.8 | 172.8 |
| 10° | 184.7 | 167.8 | 157.5 | 152.4 | 150.8 | 150.8 | 150.8 |
| 12.5° | 164.4 | 147.4 | 139.0 | 135.5 | 135.5 | 133.9 | 133.9 |
| 15° | 147.4 | 133.9 | 125.4 | 122.0 | 122.0 | 120.3 | 122.0 |
| 17.5° | 133.9 | 120.3 | 113.5 | 110.2 | 110.2 | 108.4 | 108.4 |
| 20° | 122.0 | 110.2 | 103.3 | 98.2 | 98.2 | 96.6 | 98.2 |
| 22.5° | 111.8 | 100.0 | 91.5 | 88.1 | 86.4 | 84.7 | 86.4 |
| 25° | 101.7 | 89.7 | 81.3 | 76.3 | 74.5 | 74.5 | 72.8 |
| 27.5° | 93.2 | 81.3 | 71.2 | 66.1 | 64.4 | 64.4 | 62.7 |
| 30° | 84.7 | 71.2 | 61.0 | 56.0 | 54.2 | 54.2 | 54.2 |
| 32.5° | 76.3 | 61.0 | 52.5 | 47.5 | 45.7 | 45.7 | 45.7 |
| 35° | 67.8 | 52.5 | 44.0 | 39.0 | 37.3 | 37.3 | 37.3 |
| 37.5° | 57.6 | 44.0 | 33.9 | 30.5 | 28.8 | 27.2 | 27.2 |
| 40° | 49.1 | 33.9 | 25.4 | 22.1 | 18.7 | 18.7 | 18.7 |
| 42.5° | 40.6 | 27.2 | 18.7 | 13.6 | 11.8 | 10.2 | 11.8 |
| 45° | 33.9 | 20.3 | 11.8 | 6.7 | 5.1 | 5.1 | 5.1 |
| 47.5° | 27.2 | 13.6 | 5.1 | 1.7 | 1.7 | 1.7 | 1.7 |
| 50° | 20.3 | 8.5 | 1.7 | 0.0 | 0.0 | 1.7 | 1.7 |
| 52.5° | 15.2 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 8.5 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1.7 | 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)