

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: McGRAW-EDISON

Report Number: P165201

Luminaire Tested: **VTS-F09-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165201
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F09-LED-E1-SL3-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11625 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

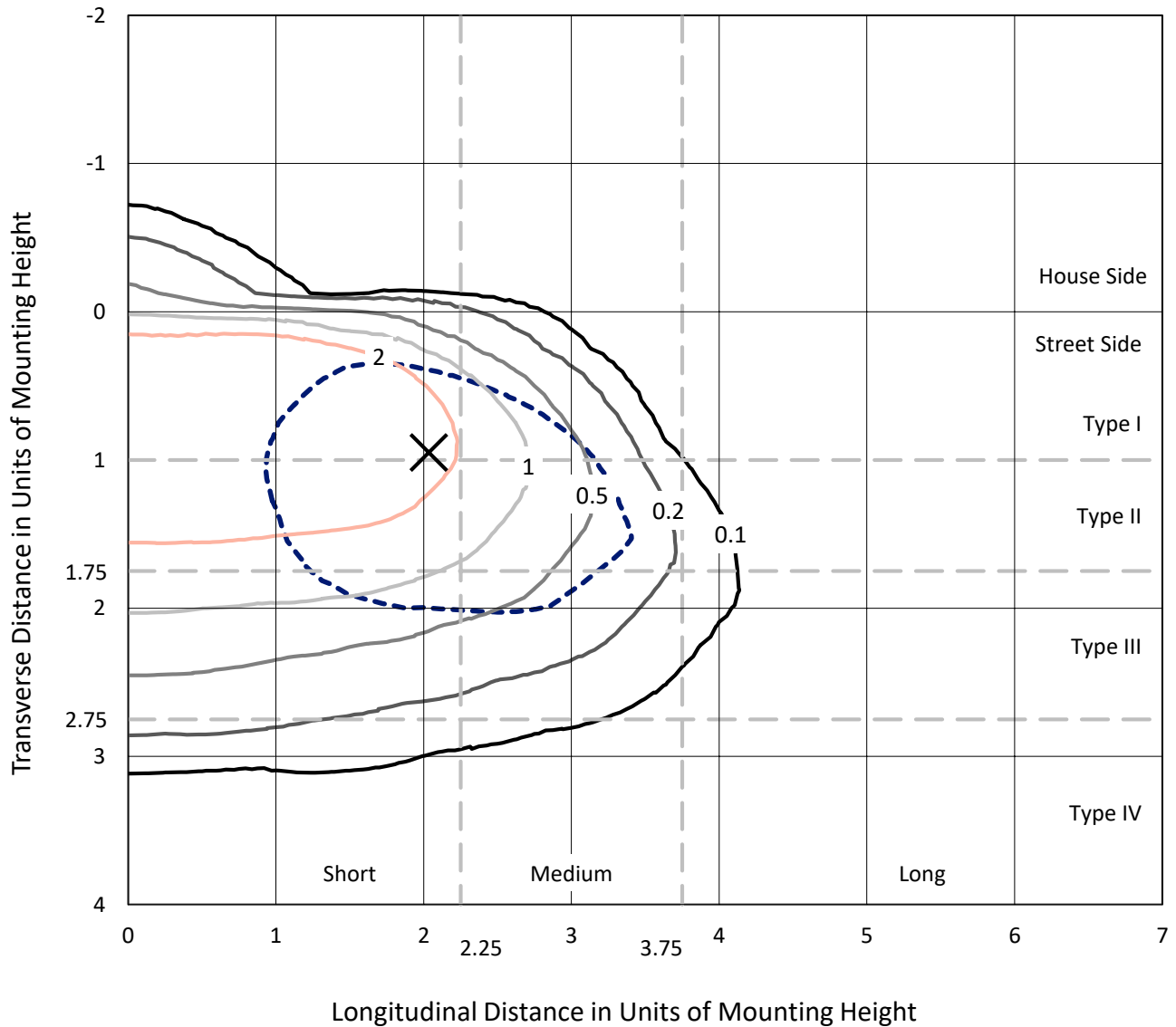
Input Watts (W): 234.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

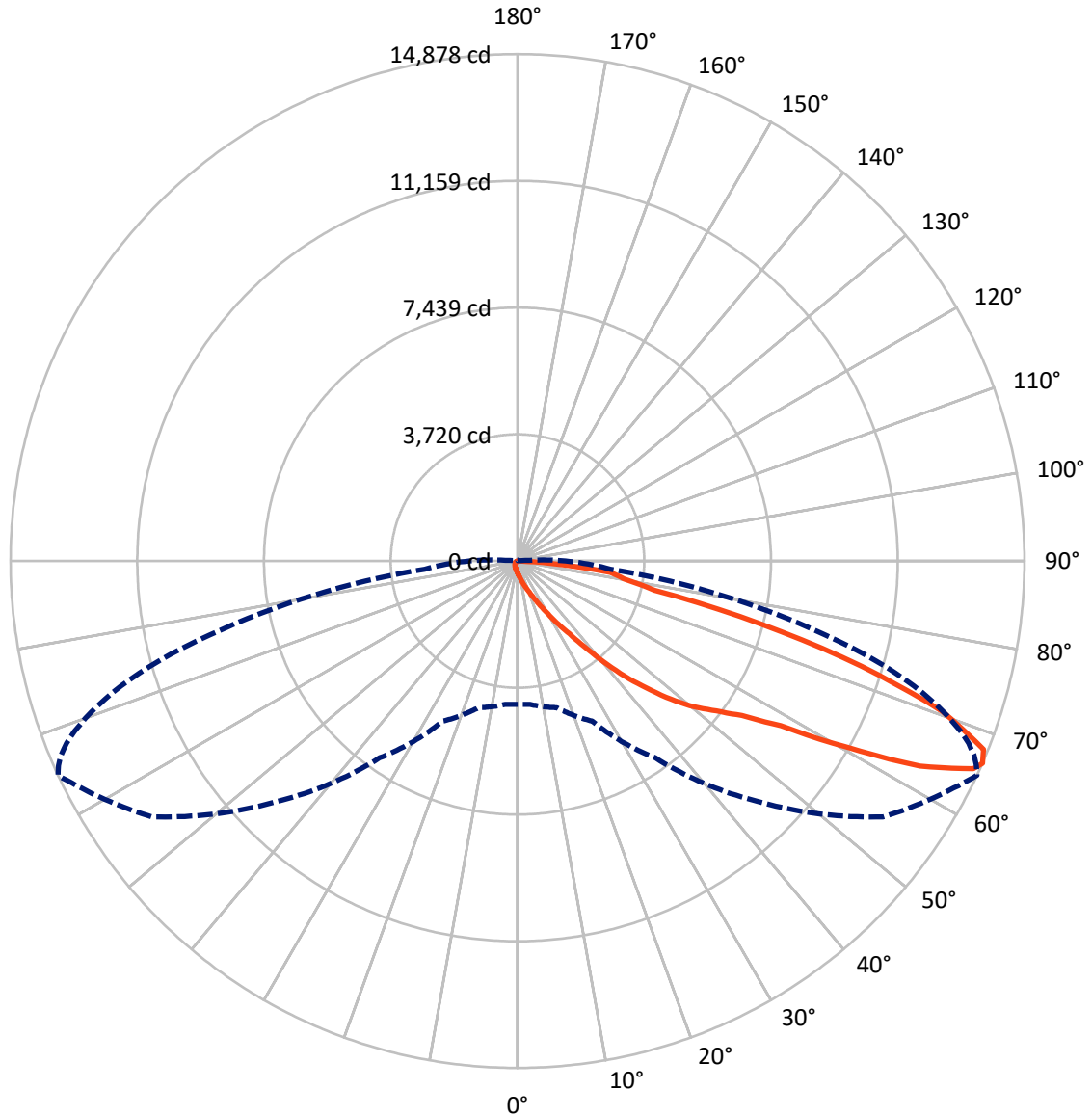


Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 251.9 | 0.0 | 251.9 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 11373.1 | 0.0 | 11373.1 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 11625.0 | 0.0 | 11625.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 39.3 | 0.3 |
| 10°-20° | 166.6 | 1.4 |
| 20°-30° | 359.2 | 3.1 |
| 30°-40° | 767.1 | 6.6 |
| 40°-50° | 1696.5 | 14.6 |
| 50°-60° | 2875.1 | 24.7 |
| 60°-70° | 3836.6 | 33.0 |
| 70°-80° | 1690.0 | 14.5 |
| 80°-90° | 194.7 | 1.7 |
| 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° | 11625.0 | 100.0 |
| 0°-180° | 11625.0 | 100.0 |



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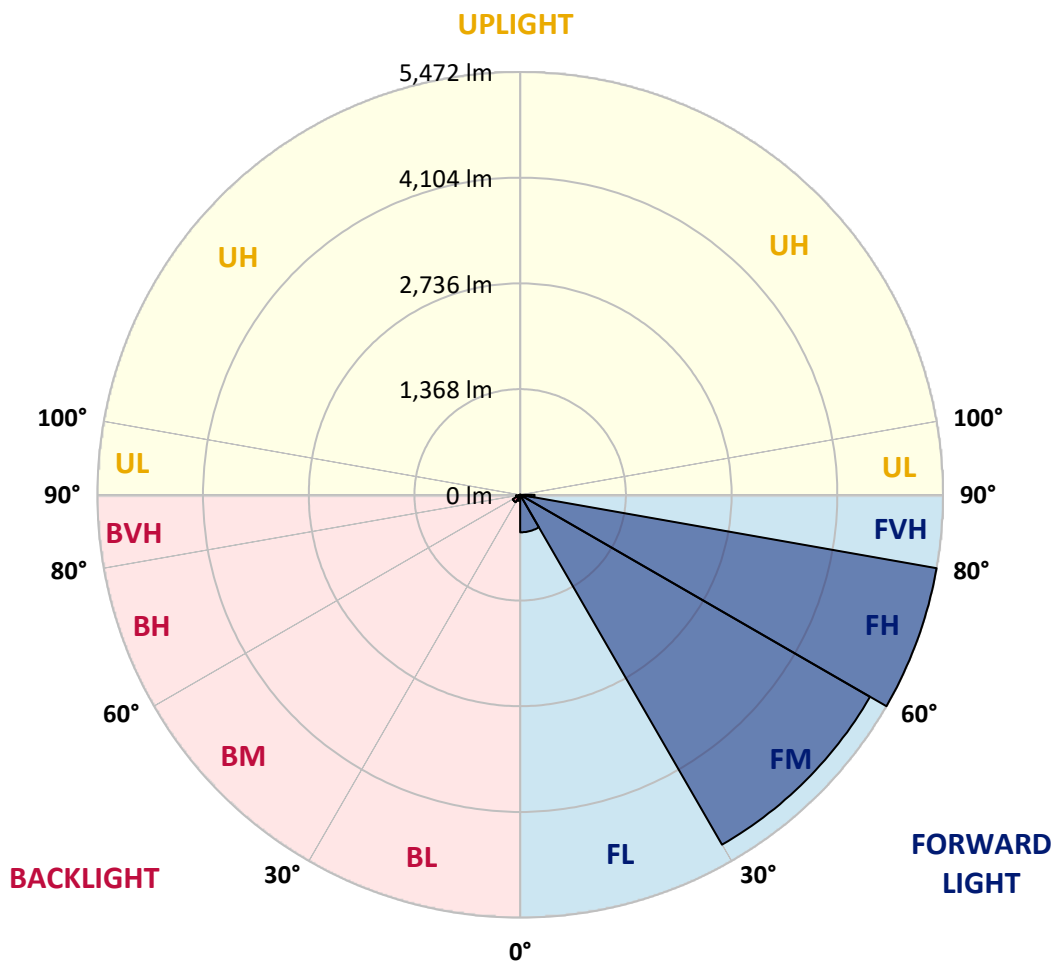
CATALOG NUMBER: VTS-F09-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 485.6 | 4.2 | | | |
| FM | (30°-60°) | 5228.1 | 45.0 | | | |
| FH | (60°-80°) | 5472.5 | 47.1 | | | G3/7500 |
| FVH | (80°-90°) | 186.9 | 1.6 | | | G2/225 |
| BL | (0°-30°) | 79.5 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 110.6 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 54.0 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 7.8 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 |
| 2.5° | 442.6 | 440.3 | 431.3 | 431.3 | 417.9 | 409.1 | 397.8 | 386.7 | 386.7 | 384.4 | 382.2 |
| 5° | 585.5 | 572.2 | 569.9 | 545.3 | 525.2 | 496.2 | 469.3 | 433.6 | 429.1 | 424.7 | 422.4 |
| 7.5° | 744.3 | 742.0 | 721.9 | 692.8 | 652.7 | 598.9 | 545.3 | 487.2 | 478.3 | 473.8 | 464.8 |
| 10° | 949.9 | 938.6 | 911.9 | 862.6 | 802.4 | 730.8 | 643.7 | 552.0 | 540.8 | 531.9 | 527.4 |
| 12.5° | 1146.6 | 1126.5 | 1110.7 | 1048.2 | 972.2 | 867.1 | 762.1 | 630.3 | 621.3 | 610.2 | 592.3 |
| 15° | 1329.8 | 1311.9 | 1285.1 | 1231.5 | 1146.6 | 1014.6 | 891.8 | 730.8 | 708.5 | 692.8 | 679.4 |
| 17.5° | 1472.8 | 1461.7 | 1430.3 | 1370.1 | 1278.3 | 1162.2 | 1014.6 | 833.6 | 815.8 | 795.6 | 771.0 |
| 20° | 1609.2 | 1593.5 | 1544.3 | 1461.7 | 1363.3 | 1273.9 | 1160.0 | 967.7 | 943.1 | 918.5 | 891.8 |
| 22.5° | 1738.8 | 1723.1 | 1642.7 | 1506.3 | 1401.3 | 1363.3 | 1323.1 | 1119.7 | 1081.7 | 1061.6 | 1034.7 |
| 25° | 1919.9 | 1886.4 | 1761.1 | 1544.3 | 1403.6 | 1432.6 | 1501.9 | 1316.3 | 1280.6 | 1251.6 | 1209.1 |
| 27.5° | 2163.5 | 2118.7 | 1922.0 | 1600.3 | 1412.4 | 1508.7 | 1707.5 | 1555.5 | 1517.5 | 1483.9 | 1437.1 |
| 30° | 2438.3 | 2409.3 | 2174.6 | 1734.4 | 1477.3 | 1620.3 | 1937.7 | 1859.5 | 1814.8 | 1774.5 | 1718.7 |
| 32.5° | 2715.5 | 2675.3 | 2442.8 | 1989.1 | 1651.6 | 1837.1 | 2226.1 | 2212.6 | 2154.5 | 2116.5 | 2056.1 |
| 35° | 2959.1 | 2939.0 | 2766.9 | 2407.0 | 2049.5 | 2217.1 | 2610.4 | 2626.0 | 2574.7 | 2534.4 | 2467.4 |
| 37.5° | 3124.5 | 3124.5 | 3091.0 | 2856.2 | 2681.9 | 2807.1 | 3175.8 | 3178.1 | 3126.7 | 3035.1 | 3001.6 |
| 40° | 3209.3 | 3233.9 | 3354.7 | 3399.3 | 3390.4 | 3551.4 | 3917.9 | 3877.6 | 3835.1 | 3788.2 | 3676.5 |
| 42.5° | 3383.7 | 3406.0 | 3663.1 | 3971.5 | 4172.7 | 4384.9 | 4637.5 | 4624.1 | 4572.8 | 4487.8 | 4384.9 |
| 45° | 3678.8 | 3707.8 | 4014.0 | 4503.4 | 4916.8 | 5218.7 | 5379.5 | 5316.9 | 5265.5 | 5185.1 | 5131.4 |
| 47.5° | 4054.2 | 4110.1 | 4456.5 | 5062.2 | 5560.5 | 6058.9 | 6226.5 | 6061.2 | 6016.6 | 5953.8 | 5866.7 |
| 50° | 4454.3 | 4507.9 | 4876.6 | 5569.5 | 6132.7 | 6727.2 | 7006.6 | 6727.2 | 6662.4 | 6642.2 | 6544.0 |
| 52.5° | 4800.6 | 4845.4 | 5200.7 | 5960.6 | 6570.7 | 7268.0 | 7674.8 | 7306.0 | 7259.1 | 7192.0 | 7120.5 |
| 55° | 5006.3 | 5042.1 | 5375.0 | 6148.3 | 6868.1 | 7755.2 | 8320.8 | 7996.7 | 7927.3 | 7900.6 | 7797.7 |
| 57.5° | 5075.6 | 5111.3 | 5410.8 | 6172.9 | 7028.9 | 8200.0 | 9105.2 | 9116.4 | 9033.7 | 8937.6 | 8906.3 |
| 60° | 5075.6 | 5115.8 | 5368.4 | 6112.6 | 7185.4 | 8673.8 | 10151.1 | 11083.1 | 10904.3 | 10886.4 | 10772.4 |
| 62.5° | 4865.5 | 4903.5 | 5158.3 | 5927.1 | 7395.5 | 9313.0 | 11608.3 | 13253.2 | 13201.9 | 13085.6 | 12897.9 |
| 65° | 4409.5 | 4431.9 | 4682.2 | 5453.3 | 7315.0 | 9900.8 | 12871.0 | 14697.0 | 14614.3 | 14386.3 | 14145.0 |
| 66° | 4203.9 | 4221.8 | 4456.5 | 5182.8 | 7051.3 | 9981.3 | 13094.6 | 14878.0 | 14741.8 | 14549.5 | 14276.8 |
| 67.5° | 3906.7 | 3938.0 | 4103.3 | 4680.0 | 6418.8 | 9701.9 | 12953.8 | 14750.7 | 14632.3 | 14399.8 | 14127.1 |
| 70° | 2608.2 | 2585.9 | 3169.2 | 3591.5 | 4890.1 | 7905.1 | 11621.7 | 13244.3 | 13246.6 | 13137.0 | 13027.5 |
| 72.5° | 1238.2 | 1251.6 | 1421.4 | 2210.3 | 3200.4 | 5281.2 | 9250.5 | 10571.3 | 10723.3 | 10526.6 | 10390.2 |
| 75° | 889.5 | 909.6 | 1012.5 | 1352.2 | 1908.6 | 3169.2 | 5996.3 | 7393.1 | 7397.6 | 7049.0 | 6738.4 |
| 77.5° | 259.2 | 270.5 | 379.9 | 833.6 | 1430.3 | 2138.8 | 3444.0 | 4110.1 | 4014.0 | 3763.6 | 3529.0 |
| 80° | 107.2 | 107.2 | 111.7 | 266.0 | 574.4 | 1452.7 | 2409.3 | 3164.7 | 3153.6 | 3057.5 | 2918.9 |
| 82.5° | 40.2 | 42.5 | 53.6 | 109.5 | 136.4 | 357.6 | 1606.9 | 2746.8 | 2740.0 | 2603.8 | 2505.4 |
| 85° | 4.5 | 4.5 | 13.4 | 47.0 | 51.4 | 67.0 | 321.8 | 1211.3 | 1204.6 | 1211.3 | 1061.6 |
| 87.5° | 0.0 | 0.0 | 2.2 | 4.5 | 6.7 | 9.0 | 13.4 | 47.0 | 51.4 | 49.1 | 44.7 |
| 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):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 |
| 2.5° | 382.2 | 377.7 | 377.7 | 375.5 | 375.5 | 375.5 | 373.2 | 371.1 | 371.1 | 368.7 | 366.6 |
| 5° | 417.9 | 413.4 | 411.2 | 406.7 | 404.6 | 402.3 | 397.8 | 395.6 | 391.1 | 388.8 | 386.7 |
| 7.5° | 460.4 | 451.4 | 449.2 | 442.6 | 435.8 | 431.3 | 426.8 | 420.2 | 415.7 | 406.7 | 404.6 |
| 10° | 514.1 | 502.8 | 493.9 | 484.9 | 478.3 | 467.1 | 460.4 | 451.4 | 442.6 | 435.8 | 429.1 |
| 12.5° | 583.3 | 567.7 | 554.3 | 545.3 | 529.7 | 516.3 | 502.8 | 496.2 | 478.3 | 469.3 | 458.2 |
| 15° | 659.3 | 641.4 | 625.8 | 607.9 | 596.8 | 574.4 | 556.4 | 536.4 | 527.4 | 511.8 | 493.9 |
| 17.5° | 757.6 | 728.5 | 704.0 | 686.2 | 663.8 | 641.4 | 621.3 | 601.2 | 574.4 | 556.4 | 534.2 |
| 20° | 862.6 | 838.1 | 804.5 | 773.3 | 746.5 | 719.7 | 690.5 | 663.8 | 639.2 | 610.2 | 583.3 |
| 22.5° | 996.9 | 961.0 | 920.9 | 889.5 | 853.8 | 824.8 | 784.5 | 748.8 | 708.5 | 670.5 | 639.2 |
| 25° | 1166.6 | 1119.7 | 1081.7 | 1037.0 | 994.5 | 949.9 | 900.6 | 856.0 | 804.5 | 768.8 | 715.2 |
| 27.5° | 1376.7 | 1332.1 | 1280.6 | 1222.6 | 1180.1 | 1113.0 | 1048.2 | 992.4 | 932.0 | 876.1 | 815.8 |
| 30° | 1644.9 | 1580.2 | 1526.4 | 1470.6 | 1385.7 | 1320.8 | 1244.8 | 1168.9 | 1086.2 | 1030.4 | 938.6 |
| 32.5° | 1966.7 | 1897.5 | 1817.0 | 1736.5 | 1658.3 | 1566.7 | 1472.8 | 1378.9 | 1287.3 | 1184.6 | 1090.6 |
| 35° | 2360.2 | 2277.4 | 2185.8 | 2098.6 | 1978.0 | 1879.6 | 1761.1 | 1631.5 | 1528.7 | 1410.3 | 1291.8 |
| 37.5° | 2880.9 | 2744.5 | 2664.0 | 2572.4 | 2409.3 | 2275.2 | 2143.3 | 2013.7 | 1832.6 | 1707.5 | 1539.9 |
| 40° | 3533.4 | 3453.0 | 3321.2 | 3173.6 | 3026.1 | 2849.6 | 2670.8 | 2498.7 | 2288.6 | 2114.2 | 1919.9 |
| 42.5° | 4300.0 | 4181.6 | 4047.5 | 3835.1 | 3685.4 | 3477.5 | 3274.2 | 3046.2 | 2789.2 | 2565.8 | 2337.8 |
| 45° | 5019.7 | 4879.0 | 4776.1 | 4563.8 | 4407.3 | 4161.4 | 3915.6 | 3674.3 | 3377.0 | 3088.7 | 2825.0 |
| 47.5° | 5797.5 | 5681.2 | 5511.4 | 5339.3 | 5180.7 | 4903.5 | 4637.5 | 4344.8 | 4031.8 | 3689.9 | 3347.9 |
| 50° | 6481.4 | 6389.8 | 6273.5 | 6065.7 | 5889.1 | 5656.6 | 5343.8 | 5024.2 | 4628.6 | 4288.9 | 3900.0 |
| 52.5° | 7062.4 | 6990.9 | 6827.7 | 6680.2 | 6521.6 | 6302.5 | 6023.2 | 5717.0 | 5290.2 | 4916.8 | 4474.4 |
| 55° | 7748.6 | 7697.2 | 7554.1 | 7462.5 | 7321.8 | 7111.7 | 6850.1 | 6566.3 | 6114.8 | 5708.1 | 5207.4 |
| 57.5° | 8872.8 | 8832.6 | 8707.3 | 8669.3 | 8530.7 | 8347.5 | 8025.7 | 7721.7 | 7194.3 | 6689.2 | 6117.1 |
| 60° | 10734.4 | 10654.1 | 10470.7 | 10376.9 | 10084.0 | 9838.3 | 9420.4 | 9002.4 | 8365.4 | 7721.7 | 7033.4 |
| 62.5° | 12728.0 | 12502.3 | 12153.6 | 11854.2 | 11438.5 | 11011.5 | 10452.8 | 9813.7 | 9067.2 | 8302.9 | 7511.6 |
| 65° | 13803.0 | 13418.7 | 12978.4 | 12502.3 | 11963.8 | 11335.6 | 10631.7 | 9865.1 | 9062.8 | 8255.9 | 7420.0 |
| 66° | 13926.0 | 13492.4 | 13025.3 | 12495.6 | 11896.7 | 11228.4 | 10513.2 | 9708.6 | 8874.9 | 8088.3 | 7252.4 |
| 67.5° | 13771.8 | 13318.1 | 12824.2 | 12236.4 | 11588.2 | 10895.4 | 10144.4 | 9308.5 | 8506.2 | 7708.3 | 6894.8 |
| 70° | 12692.3 | 12240.8 | 11800.5 | 11181.5 | 10490.8 | 9793.6 | 9082.8 | 8148.7 | 7388.8 | 6655.7 | 5931.6 |
| 72.5° | 10135.5 | 9829.3 | 9393.5 | 8863.8 | 8191.0 | 7373.1 | 6780.8 | 5945.0 | 5285.7 | 4574.9 | 4014.0 |
| 75° | 6333.9 | 5902.5 | 5363.9 | 4688.9 | 4174.8 | 3511.0 | 3164.7 | 2529.9 | 2154.5 | 1826.0 | 1508.7 |
| 77.5° | 3238.4 | 2914.4 | 2536.7 | 2156.7 | 1792.4 | 1430.3 | 1106.2 | 782.3 | 527.4 | 366.6 | 272.7 |
| 80° | 2675.3 | 2389.2 | 2076.2 | 1729.9 | 1408.1 | 1092.9 | 786.8 | 536.4 | 342.0 | 223.5 | 174.3 |
| 82.5° | 2210.3 | 1969.0 | 1689.6 | 1367.8 | 1088.5 | 858.3 | 596.8 | 388.8 | 241.3 | 156.5 | 123.0 |
| 85° | 940.9 | 853.8 | 659.3 | 522.9 | 393.3 | 290.6 | 203.4 | 136.4 | 96.1 | 78.2 | 71.5 |
| 87.5° | 40.2 | 44.7 | 42.5 | 33.5 | 24.6 | 24.6 | 22.4 | 17.9 | 17.9 | 17.9 | 17.9 |
| 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: VTS-F09-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 |
| 2.5° | 366.6 | 364.3 | 362.1 | 362.1 | 359.8 | 357.6 | 344.2 | 333.1 | 319.6 | 310.7 | 301.7 |
| 5° | 382.2 | 379.9 | 375.5 | 373.2 | 368.7 | 366.6 | 337.5 | 312.8 | 292.7 | 277.1 | 266.0 |
| 7.5° | 397.8 | 395.6 | 388.8 | 382.2 | 379.9 | 375.5 | 328.6 | 297.2 | 270.5 | 252.6 | 241.3 |
| 10° | 417.9 | 411.2 | 404.6 | 395.6 | 388.8 | 382.2 | 319.6 | 279.3 | 250.3 | 234.7 | 223.5 |
| 12.5° | 446.9 | 435.8 | 424.7 | 413.4 | 404.6 | 393.3 | 315.1 | 263.7 | 234.7 | 216.7 | 205.6 |
| 15° | 480.6 | 464.8 | 451.4 | 438.1 | 422.4 | 411.2 | 306.2 | 250.3 | 221.2 | 203.4 | 190.0 |
| 17.5° | 511.8 | 493.9 | 473.8 | 453.7 | 438.1 | 422.4 | 297.2 | 237.0 | 207.8 | 190.0 | 176.6 |
| 20° | 556.4 | 529.7 | 505.1 | 480.6 | 458.2 | 438.1 | 283.8 | 223.5 | 196.7 | 176.6 | 163.1 |
| 22.5° | 605.7 | 574.4 | 543.1 | 509.6 | 480.6 | 453.7 | 272.7 | 212.3 | 185.5 | 165.4 | 149.7 |
| 25° | 668.3 | 630.3 | 587.8 | 545.3 | 511.8 | 476.1 | 261.5 | 201.1 | 174.3 | 154.2 | 138.6 |
| 27.5° | 755.4 | 701.8 | 654.8 | 601.2 | 549.8 | 509.6 | 252.6 | 192.2 | 163.1 | 143.0 | 127.4 |
| 30° | 873.9 | 795.6 | 721.9 | 663.8 | 603.4 | 545.3 | 243.6 | 181.0 | 154.2 | 131.9 | 114.0 |
| 32.5° | 1005.7 | 914.1 | 829.1 | 742.0 | 666.0 | 598.9 | 234.7 | 172.1 | 143.0 | 120.7 | 105.0 |
| 35° | 1168.9 | 1052.6 | 938.6 | 838.1 | 746.5 | 657.0 | 225.7 | 163.1 | 134.1 | 109.5 | 93.9 |
| 37.5° | 1403.6 | 1258.2 | 1108.6 | 978.9 | 860.5 | 742.0 | 219.1 | 154.2 | 123.0 | 98.4 | 82.7 |
| 40° | 1725.4 | 1537.7 | 1354.3 | 1177.8 | 1023.6 | 876.1 | 210.1 | 145.2 | 114.0 | 89.4 | 73.7 |
| 42.5° | 2074.1 | 1846.0 | 1604.7 | 1405.8 | 1193.5 | 1008.0 | 201.1 | 136.4 | 105.0 | 80.5 | 64.9 |
| 45° | 2507.7 | 2223.8 | 1931.0 | 1660.5 | 1401.3 | 1162.2 | 192.2 | 127.4 | 93.9 | 71.5 | 55.9 |
| 47.5° | 2981.5 | 2619.4 | 2288.6 | 1948.9 | 1640.4 | 1354.3 | 181.0 | 120.7 | 85.0 | 62.6 | 49.1 |
| 50° | 3468.7 | 3086.5 | 2668.5 | 2281.8 | 1915.4 | 1546.7 | 169.9 | 109.5 | 76.0 | 55.9 | 40.2 |
| 52.5° | 3993.8 | 3542.4 | 3115.6 | 2635.0 | 2208.1 | 1799.1 | 158.7 | 100.6 | 69.2 | 49.1 | 33.5 |
| 55° | 4662.1 | 4157.1 | 3656.4 | 3117.7 | 2603.8 | 2092.0 | 147.5 | 89.4 | 60.4 | 42.5 | 26.9 |
| 57.5° | 5502.4 | 4903.5 | 4288.9 | 3681.0 | 3057.5 | 2476.3 | 138.6 | 78.2 | 51.4 | 35.7 | 22.4 |
| 60° | 6295.9 | 5596.4 | 4852.1 | 4152.6 | 3448.5 | 2771.4 | 125.1 | 69.2 | 44.7 | 29.0 | 22.4 |
| 62.5° | 6707.1 | 5909.2 | 5106.8 | 4335.8 | 3584.9 | 2876.4 | 111.7 | 58.1 | 38.0 | 24.6 | 20.1 |
| 65° | 6606.5 | 5793.0 | 5015.2 | 4237.4 | 3502.2 | 2809.4 | 98.4 | 51.4 | 33.5 | 22.4 | 20.1 |
| 66° | 6461.3 | 5656.6 | 4874.5 | 4134.7 | 3432.9 | 2737.9 | 91.6 | 49.1 | 31.4 | 22.4 | 17.9 |
| 67.5° | 6143.9 | 5366.1 | 4619.6 | 3931.2 | 3242.9 | 2601.5 | 82.7 | 44.7 | 29.0 | 20.1 | 17.9 |
| 70° | 5247.7 | 4541.4 | 3944.7 | 3332.3 | 2771.4 | 2192.5 | 67.0 | 38.0 | 24.6 | 17.9 | 17.9 |
| 72.5° | 3473.0 | 2992.6 | 2594.8 | 2232.7 | 1866.1 | 1448.3 | 55.9 | 31.4 | 20.1 | 17.9 | 15.6 |
| 75° | 1309.7 | 1184.6 | 1016.9 | 914.1 | 797.9 | 699.5 | 44.7 | 20.1 | 15.6 | 15.6 | 15.6 |
| 77.5° | 232.5 | 214.6 | 190.0 | 174.3 | 161.0 | 147.5 | 35.7 | 13.4 | 13.4 | 15.6 | 15.6 |
| 80° | 156.5 | 145.2 | 131.9 | 120.7 | 111.7 | 100.6 | 24.6 | 11.1 | 13.4 | 13.4 | 15.6 |
| 82.5° | 111.7 | 105.0 | 98.4 | 89.4 | 82.7 | 73.7 | 15.6 | 11.1 | 13.4 | 13.4 | 13.4 |
| 85° | 67.0 | 62.6 | 58.1 | 53.6 | 47.0 | 44.7 | 11.1 | 11.1 | 11.1 | 13.4 | 13.4 |
| 87.5° | 17.9 | 15.6 | 17.9 | 17.9 | 13.4 | 15.6 | 9.0 | 9.0 | 9.0 | 11.1 | 11.1 |
| 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: P165201

CATALOG NUMBER: VTS-F09-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 |
| 2.5° | 297.2 | 297.2 | 292.7 | 299.5 | 299.5 |
| 5° | 257.1 | 257.1 | 254.7 | 257.1 | 257.1 |
| 7.5° | 234.7 | 232.5 | 232.5 | 232.5 | 234.7 |
| 10° | 214.6 | 212.3 | 212.3 | 212.3 | 212.3 |
| 12.5° | 196.7 | 194.5 | 192.2 | 194.5 | 194.5 |
| 15° | 181.0 | 176.6 | 176.6 | 176.6 | 176.6 |
| 17.5° | 167.6 | 163.1 | 161.0 | 161.0 | 161.0 |
| 20° | 154.2 | 147.5 | 147.5 | 147.5 | 147.5 |
| 22.5° | 140.7 | 134.1 | 134.1 | 134.1 | 134.1 |
| 25° | 127.4 | 120.7 | 120.7 | 120.7 | 120.7 |
| 27.5° | 116.2 | 109.5 | 109.5 | 109.5 | 109.5 |
| 30° | 102.9 | 98.4 | 98.4 | 100.6 | 98.4 |
| 32.5° | 93.9 | 87.1 | 87.1 | 89.4 | 89.4 |
| 35° | 82.7 | 78.2 | 78.2 | 78.2 | 78.2 |
| 37.5° | 71.5 | 67.0 | 67.0 | 67.0 | 67.0 |
| 40° | 62.6 | 58.1 | 55.9 | 58.1 | 58.1 |
| 42.5° | 53.6 | 49.1 | 47.0 | 47.0 | 47.0 |
| 45° | 47.0 | 40.2 | 38.0 | 40.2 | 40.2 |
| 47.5° | 38.0 | 33.5 | 33.5 | 35.7 | 35.7 |
| 50° | 29.0 | 29.0 | 31.4 | 35.7 | 35.7 |
| 52.5° | 26.9 | 26.9 | 31.4 | 35.7 | 35.7 |
| 55° | 24.6 | 26.9 | 31.4 | 33.5 | 35.7 |
| 57.5° | 22.4 | 26.9 | 31.4 | 33.5 | 33.5 |
| 60° | 22.4 | 24.6 | 29.0 | 33.5 | 33.5 |
| 62.5° | 20.1 | 22.4 | 26.9 | 31.4 | 31.4 |
| 65° | 20.1 | 22.4 | 26.9 | 31.4 | 31.4 |
| 66° | 20.1 | 22.4 | 26.9 | 31.4 | 31.4 |
| 67.5° | 20.1 | 22.4 | 26.9 | 31.4 | 31.4 |
| 70° | 20.1 | 22.4 | 26.9 | 29.0 | 29.0 |
| 72.5° | 17.9 | 20.1 | 24.6 | 29.0 | 29.0 |
| 75° | 17.9 | 20.1 | 24.6 | 29.0 | 29.0 |
| 77.5° | 17.9 | 20.1 | 24.6 | 29.0 | 29.0 |
| 80° | 17.9 | 20.1 | 24.6 | 26.9 | 29.0 |
| 82.5° | 15.6 | 20.1 | 22.4 | 26.9 | 26.9 |
| 85° | 15.6 | 17.9 | 22.4 | 24.6 | 26.9 |
| 87.5° | 13.4 | 15.6 | 17.9 | 22.4 | 22.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)