

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: P159409

Luminaire Tested: **VTS-E02-LED-E1-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159409
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33706)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E02-LED-E1-T3-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

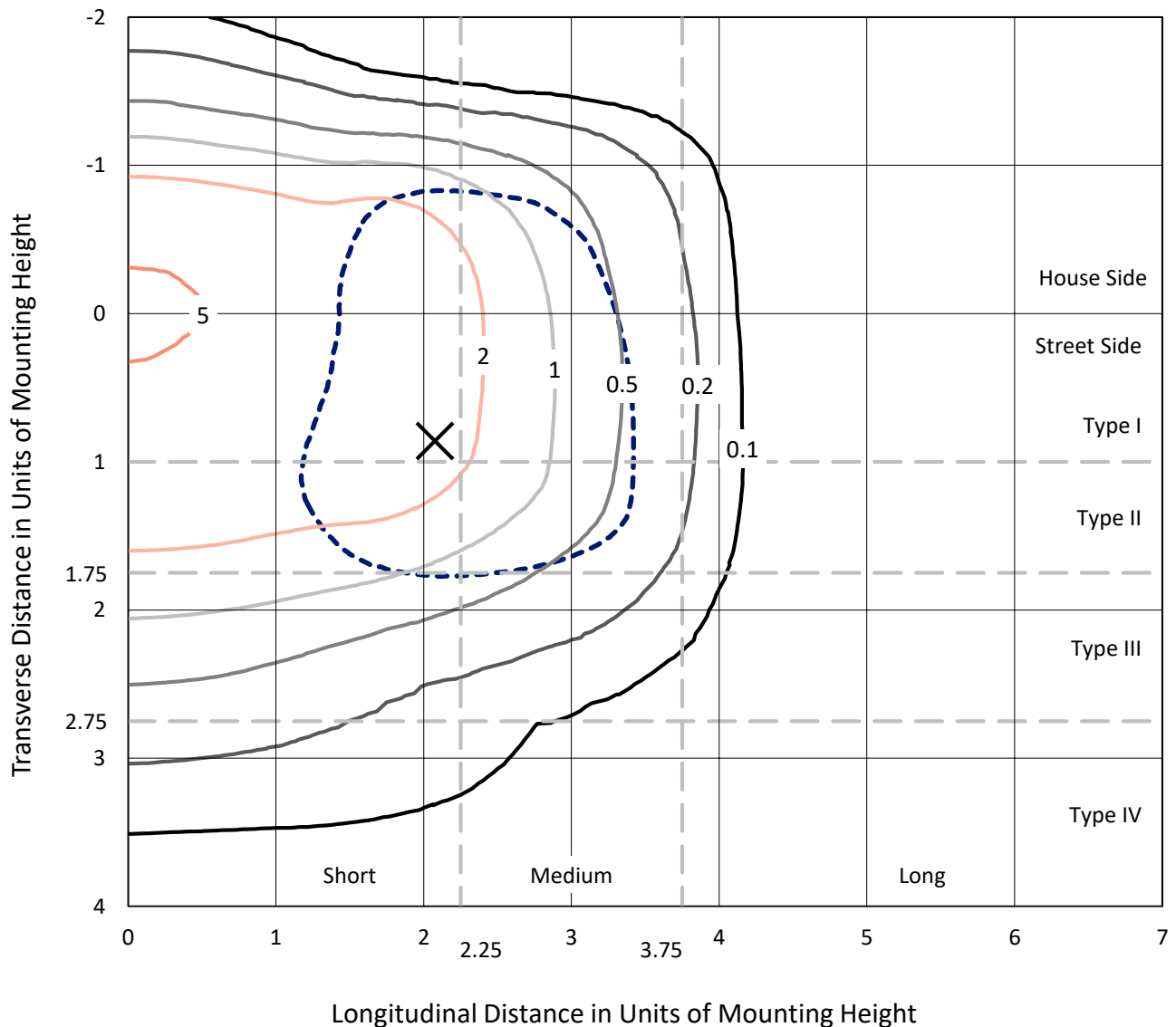
Lumens per Lamp: N/A
Luminaire Lumens: 5586.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1
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

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

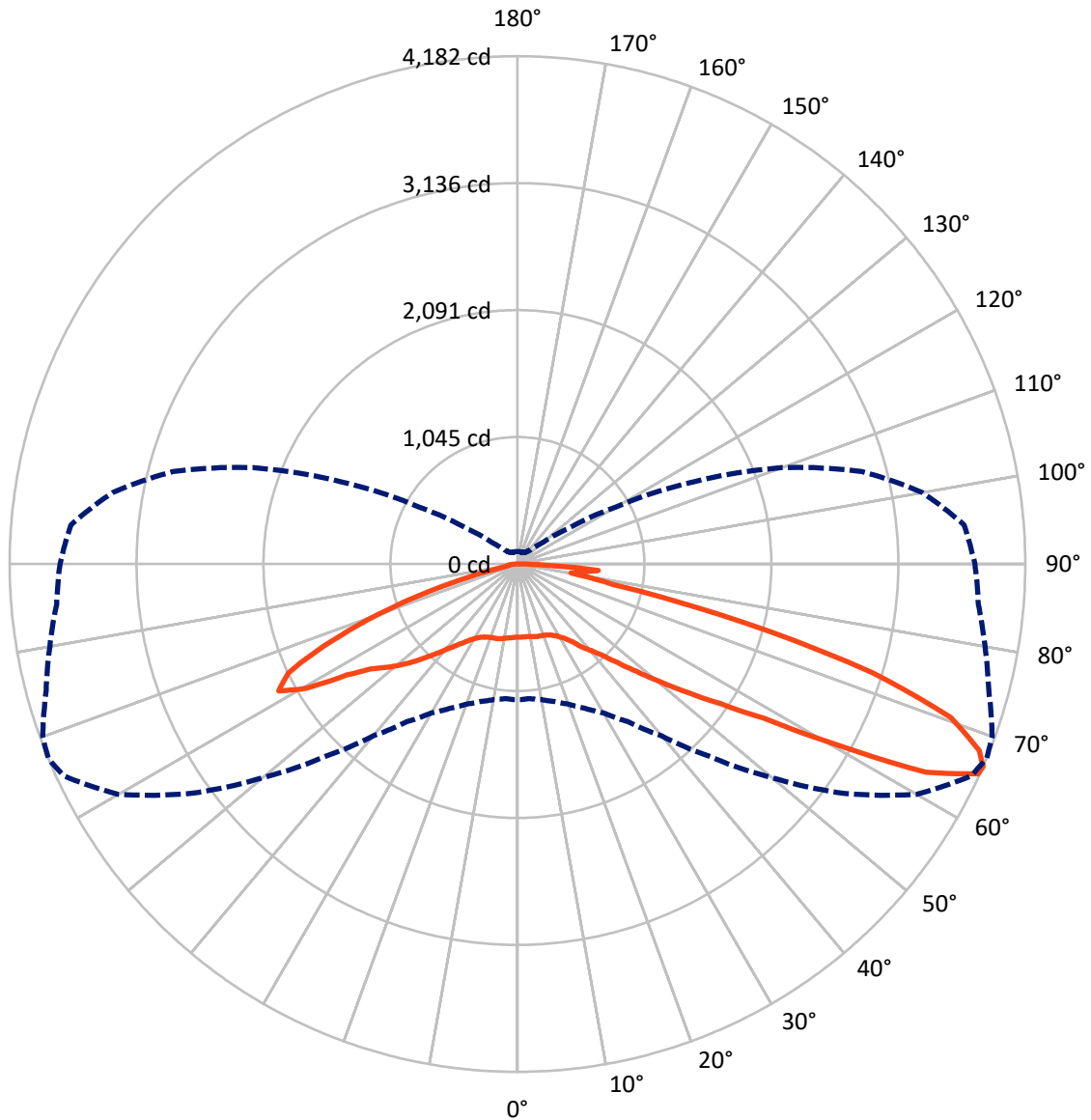


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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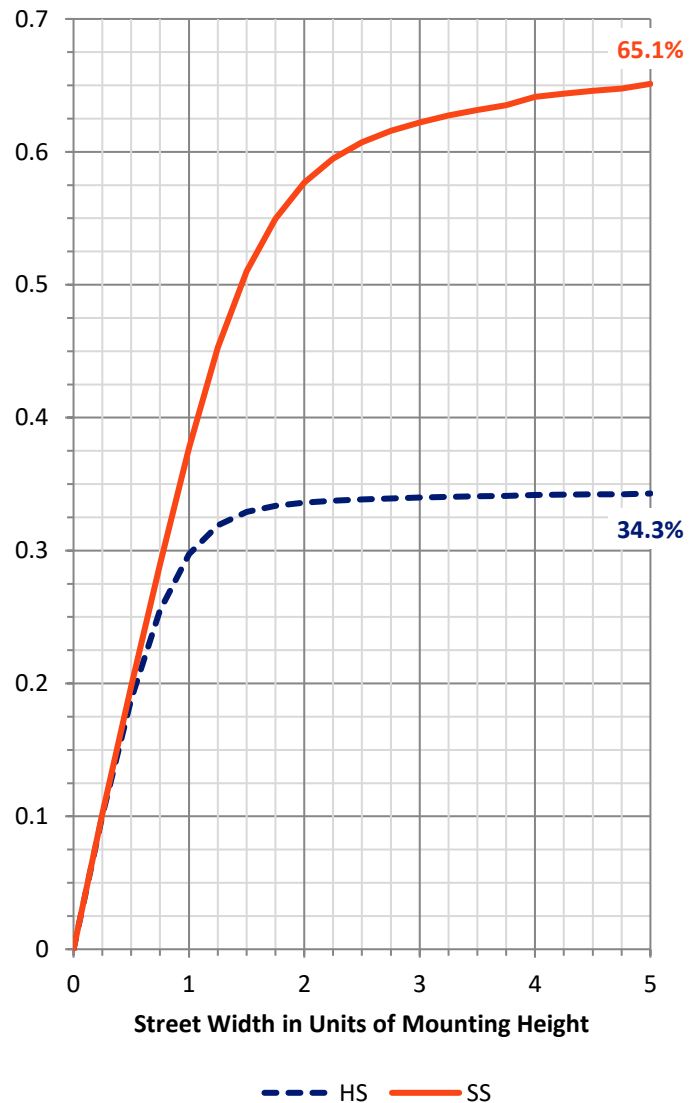
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1933.3 | 0.0 | 1933.3 |
| | % Fixture | 34.6 | 0.0 | 34.6 |
| Street Side | Lumens | 3653.5 | 0.0 | 3653.5 |
| | % Fixture | 65.4 | 0.0 | 65.4 |
| Total | Lumens | 5586.7 | 0.0 | 5586.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.8 | 1.0 |
| 10°-20° | 171.3 | 3.1 |
| 20°-30° | 294.4 | 5.3 |
| 30°-40° | 475.9 | 8.5 |
| 40°-50° | 788.6 | 14.1 |
| 50°-60° | 1237.7 | 22.2 |
| 60°-70° | 1692.2 | 30.3 |
| 70°-80° | 744.1 | 13.3 |
| 80°-90° | 124.6 | 2.2 |
| 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° | 5586.7 | 100.0 |
| 0°-180° | 5586.7 | 100.0 |



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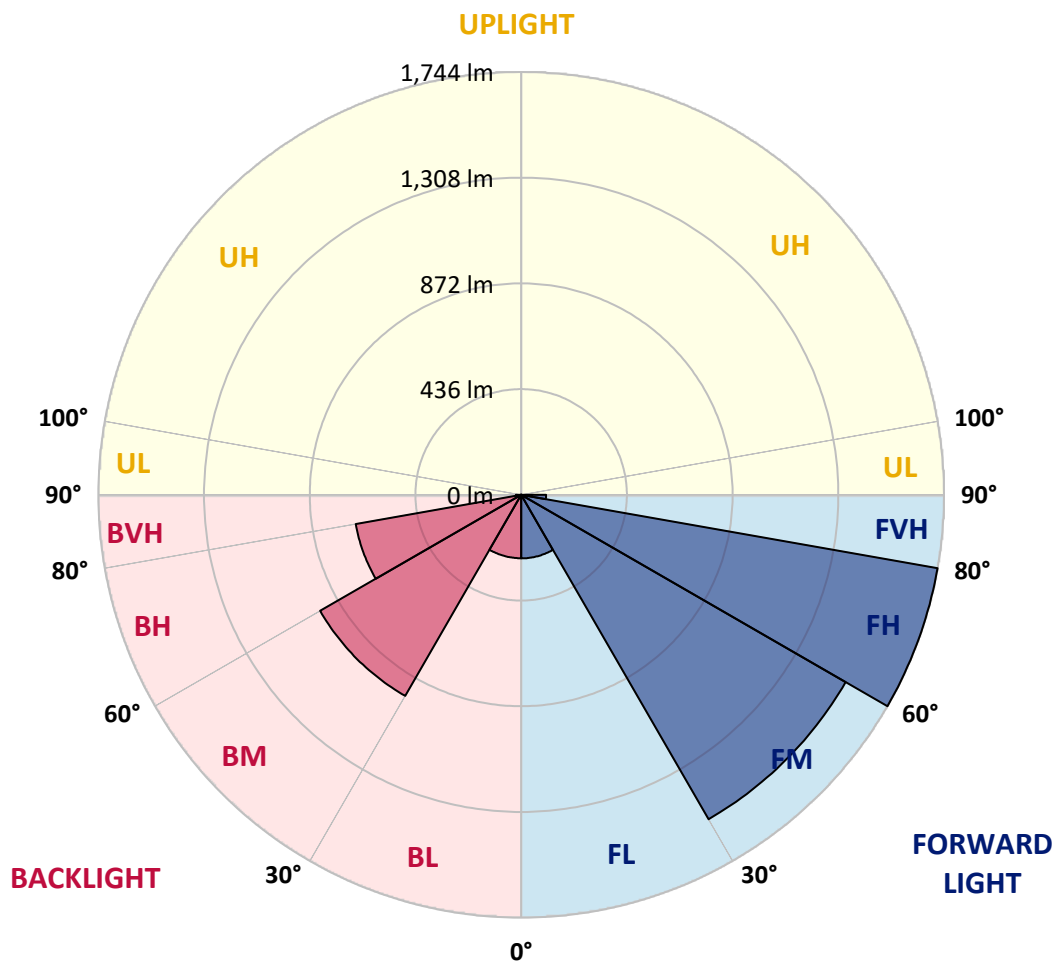
CATALOG NUMBER: VTS-E02-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 262.1 | 4.7 | | | |
| FM | (30°-60°) | 1544.9 | 27.7 | | | |
| FH | (60°-80°) | 1743.7 | 31.2 | | | G1/1800 |
| FVH | (80°-90°) | 102.8 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 261.5 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 957.3 | 17.1 | B1/1000 | | |
| BH | (60°-80°) | 692.6 | 12.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 21.8 | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 |
| 2.5° | 601.7 | 601.7 | 602.1 | 601.7 | 601.7 | 601.3 | 602.8 | 602.8 | 602.8 | 602.4 | 603.5 |
| 5° | 600.3 | 600.3 | 600.6 | 600.6 | 601.0 | 600.6 | 601.7 | 602.1 | 602.1 | 602.1 | 603.2 |
| 7.5° | 596.6 | 597.7 | 597.0 | 597.3 | 597.7 | 598.8 | 600.3 | 601.0 | 601.7 | 602.8 | 603.2 |
| 10° | 588.9 | 590.8 | 590.4 | 591.5 | 591.9 | 595.1 | 596.2 | 597.7 | 600.3 | 601.7 | 602.8 |
| 12.5° | 578.3 | 579.4 | 579.8 | 581.3 | 582.7 | 586.7 | 589.7 | 592.2 | 595.9 | 599.5 | 603.2 |
| 15° | 569.9 | 570.7 | 570.7 | 572.1 | 574.3 | 578.0 | 581.6 | 586.0 | 591.5 | 597.7 | 603.5 |
| 17.5° | 572.5 | 574.3 | 572.9 | 572.5 | 573.2 | 575.4 | 578.7 | 582.4 | 588.9 | 595.9 | 602.8 |
| 20° | 589.3 | 589.7 | 588.9 | 587.1 | 585.6 | 586.0 | 586.0 | 586.7 | 590.8 | 596.2 | 601.7 |
| 22.5° | 603.2 | 604.6 | 604.3 | 604.6 | 604.3 | 605.7 | 605.0 | 603.5 | 602.1 | 602.4 | 605.0 |
| 25° | 615.2 | 616.7 | 616.7 | 617.8 | 619.6 | 622.5 | 624.7 | 624.4 | 622.2 | 619.3 | 618.2 |
| 27.5° | 635.0 | 635.0 | 635.0 | 636.1 | 638.6 | 642.3 | 645.9 | 648.1 | 649.9 | 647.0 | 640.8 |
| 30° | 666.0 | 666.4 | 665.3 | 665.6 | 667.5 | 672.2 | 676.6 | 679.9 | 683.6 | 683.2 | 675.1 |
| 32.5° | 700.0 | 701.5 | 701.1 | 702.5 | 705.1 | 709.5 | 714.2 | 719.4 | 724.1 | 727.0 | 721.9 |
| 35° | 743.8 | 745.3 | 745.7 | 747.9 | 750.8 | 757.4 | 763.9 | 770.5 | 775.6 | 777.8 | 776.7 |
| 37.5° | 815.8 | 816.2 | 814.7 | 811.4 | 812.5 | 817.6 | 825.3 | 835.9 | 839.2 | 841.4 | 846.5 |
| 40° | 923.6 | 922.5 | 916.6 | 913.7 | 911.9 | 914.1 | 912.6 | 921.0 | 928.7 | 929.1 | 928.7 |
| 42.5° | 1054.4 | 1051.1 | 1045.6 | 1044.9 | 1044.1 | 1043.4 | 1039.4 | 1039.8 | 1046.7 | 1048.5 | 1046.3 |
| 45° | 1184.4 | 1180.4 | 1176.4 | 1180.0 | 1175.7 | 1187.0 | 1190.3 | 1199.0 | 1200.1 | 1203.8 | 1198.3 |
| 47.5° | 1291.1 | 1291.5 | 1291.5 | 1296.6 | 1305.4 | 1326.9 | 1346.3 | 1363.1 | 1369.3 | 1378.1 | 1379.2 |
| 50° | 1371.9 | 1374.0 | 1381.0 | 1397.4 | 1416.1 | 1452.2 | 1484.7 | 1515.1 | 1542.5 | 1552.7 | 1579.7 |
| 52.5° | 1419.0 | 1424.8 | 1439.4 | 1466.8 | 1500.1 | 1546.9 | 1598.0 | 1649.5 | 1697.0 | 1737.2 | 1769.3 |
| 55° | 1410.6 | 1415.0 | 1440.5 | 1483.3 | 1535.2 | 1598.0 | 1669.6 | 1744.1 | 1818.3 | 1886.3 | 1938.9 |
| 57.5° | 1356.5 | 1359.4 | 1385.0 | 1433.2 | 1497.9 | 1582.3 | 1683.5 | 1794.2 | 1898.3 | 2007.9 | 2097.8 |
| 60° | 1285.6 | 1290.0 | 1313.8 | 1351.8 | 1419.3 | 1509.2 | 1626.5 | 1776.6 | 1942.9 | 2115.3 | 2283.4 |
| 62.5° | 1240.3 | 1239.2 | 1260.1 | 1294.0 | 1344.8 | 1426.3 | 1539.2 | 1717.1 | 1947.3 | 2238.8 | 2570.9 |
| 65° | 1165.1 | 1161.8 | 1183.3 | 1222.1 | 1277.2 | 1356.1 | 1463.2 | 1634.2 | 1901.2 | 2285.6 | 2756.5 |
| 66° | 1118.3 | 1111.7 | 1133.3 | 1172.4 | 1227.5 | 1311.6 | 1414.2 | 1583.0 | 1845.3 | 2239.9 | 2736.8 |
| 67.5° | 1036.5 | 1033.2 | 1043.4 | 1074.1 | 1115.0 | 1193.9 | 1301.0 | 1470.9 | 1713.1 | 2102.5 | 2592.1 |
| 70° | 842.5 | 835.2 | 843.2 | 857.1 | 872.8 | 892.2 | 957.9 | 1092.7 | 1297.7 | 1675.1 | 2088.3 |
| 72.5° | 573.9 | 570.3 | 585.3 | 606.5 | 648.5 | 668.2 | 694.1 | 716.1 | 788.4 | 1055.8 | 1456.6 |
| 75° | 436.6 | 438.8 | 457.8 | 492.8 | 546.9 | 605.4 | 662.4 | 683.2 | 659.1 | 638.2 | 826.8 |
| 77.5° | 244.8 | 257.6 | 280.6 | 325.2 | 382.5 | 465.1 | 564.5 | 674.1 | 728.9 | 715.3 | 668.9 |
| 80° | 100.8 | 99.0 | 110.3 | 134.8 | 154.5 | 222.1 | 339.8 | 477.1 | 631.3 | 728.9 | 713.5 |
| 82.5° | 28.1 | 28.9 | 37.3 | 47.9 | 61.7 | 78.5 | 122.8 | 197.3 | 321.5 | 500.2 | 654.7 |
| 85° | 8.8 | 8.8 | 12.1 | 17.9 | 21.2 | 24.5 | 31.1 | 51.1 | 87.3 | 174.3 | 353.3 |
| 87.5° | 1.8 | 1.8 | 2.6 | 5.1 | 5.5 | 5.5 | 6.9 | 9.5 | 8.4 | 7.7 | 34.3 |
| 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-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 |
| 2.5° | 602.4 | 601.7 | 602.1 | 602.4 | 602.1 | 602.1 | 601.7 | 601.3 | 601.7 | 601.7 | 602.8 |
| 5° | 602.1 | 601.7 | 602.1 | 602.1 | 602.1 | 602.4 | 602.4 | 602.4 | 603.5 | 603.5 | 605.4 |
| 7.5° | 602.8 | 602.8 | 603.5 | 603.5 | 603.5 | 603.5 | 603.9 | 604.6 | 606.5 | 606.1 | 609.4 |
| 10° | 604.3 | 605.0 | 606.8 | 607.2 | 607.2 | 608.3 | 609.0 | 610.5 | 612.3 | 613.0 | 616.0 |
| 12.5° | 606.1 | 609.8 | 613.0 | 613.8 | 614.9 | 616.7 | 617.8 | 618.5 | 621.8 | 622.9 | 626.6 |
| 15° | 608.3 | 613.4 | 617.4 | 618.9 | 620.3 | 622.5 | 624.0 | 625.1 | 628.0 | 629.5 | 633.9 |
| 17.5° | 608.7 | 614.5 | 619.3 | 621.4 | 623.3 | 625.8 | 628.0 | 630.2 | 633.5 | 635.7 | 640.1 |
| 20° | 608.3 | 616.0 | 623.3 | 626.2 | 628.0 | 632.8 | 636.1 | 639.0 | 643.0 | 645.2 | 649.6 |
| 22.5° | 612.3 | 621.1 | 630.9 | 634.6 | 637.5 | 644.1 | 648.5 | 653.2 | 658.3 | 659.8 | 663.1 |
| 25° | 621.8 | 630.9 | 643.4 | 648.5 | 653.6 | 662.4 | 668.6 | 675.5 | 680.6 | 681.4 | 682.5 |
| 27.5° | 637.9 | 646.3 | 661.3 | 668.9 | 677.3 | 689.8 | 698.9 | 705.8 | 713.1 | 713.1 | 712.4 |
| 30° | 670.4 | 672.2 | 687.9 | 697.8 | 710.2 | 728.5 | 742.0 | 749.7 | 755.2 | 755.2 | 748.9 |
| 32.5° | 712.4 | 710.2 | 724.5 | 735.1 | 752.2 | 777.8 | 796.1 | 801.9 | 807.8 | 805.9 | 795.3 |
| 35° | 773.1 | 766.8 | 774.9 | 791.0 | 810.3 | 845.4 | 864.4 | 877.5 | 881.2 | 876.1 | 859.3 |
| 37.5° | 849.4 | 848.7 | 852.7 | 870.6 | 892.2 | 937.5 | 956.8 | 965.2 | 962.3 | 953.2 | 923.6 |
| 40° | 930.2 | 928.0 | 925.4 | 937.5 | 961.6 | 1016.0 | 1050.4 | 1054.7 | 1050.7 | 1037.2 | 999.9 |
| 42.5° | 1037.9 | 1037.9 | 1025.9 | 1029.2 | 1049.3 | 1110.3 | 1150.8 | 1164.7 | 1165.1 | 1145.3 | 1095.7 |
| 45° | 1186.3 | 1184.8 | 1163.6 | 1158.5 | 1173.8 | 1233.8 | 1286.0 | 1293.7 | 1293.7 | 1267.7 | 1213.3 |
| 47.5° | 1364.5 | 1362.7 | 1341.9 | 1324.0 | 1326.9 | 1391.6 | 1435.1 | 1446.7 | 1436.5 | 1417.2 | 1352.5 |
| 50° | 1565.5 | 1562.2 | 1541.0 | 1524.2 | 1516.9 | 1582.3 | 1619.2 | 1624.7 | 1609.7 | 1586.7 | 1516.5 |
| 52.5° | 1769.3 | 1779.2 | 1766.8 | 1757.7 | 1760.2 | 1802.6 | 1840.6 | 1814.6 | 1807.0 | 1782.1 | 1711.6 |
| 55° | 1981.6 | 2011.9 | 2039.3 | 2031.3 | 2040.8 | 2082.1 | 2089.4 | 2055.0 | 2041.2 | 2023.3 | 1944.7 |
| 57.5° | 2195.3 | 2283.7 | 2373.6 | 2398.8 | 2422.2 | 2481.4 | 2473.0 | 2416.7 | 2427.3 | 2454.0 | 2365.6 |
| 60° | 2493.8 | 2749.2 | 2977.2 | 3019.2 | 3091.9 | 3142.3 | 3153.6 | 3142.7 | 3192.0 | 3178.1 | 3099.9 |
| 62.5° | 2952.3 | 3377.9 | 3695.1 | 3774.0 | 3847.0 | 3844.5 | 3806.1 | 3766.7 | 3815.2 | 3815.2 | 3611.0 |
| 65° | 3279.7 | 3762.6 | 4102.0 | 4167.4 | 4164.5 | 4076.5 | 3985.9 | 3906.9 | 3900.0 | 3845.9 | 3547.5 |
| 66° | 3295.0 | 3792.2 | 4124.7 | 4181.7 | 4159.8 | 4018.0 | 3909.5 | 3809.4 | 3766.7 | 3691.4 | 3385.6 |
| 67.5° | 3156.9 | 3708.6 | 4050.9 | 4100.6 | 4042.9 | 3839.7 | 3690.3 | 3556.2 | 3494.1 | 3367.3 | 3079.5 |
| 70° | 2589.5 | 3187.2 | 3685.2 | 3786.8 | 3721.4 | 3464.2 | 3259.6 | 3078.4 | 2959.6 | 2776.6 | 2569.1 |
| 72.5° | 1890.3 | 2353.2 | 2892.4 | 3057.5 | 3047.3 | 2810.6 | 2645.8 | 2479.9 | 2323.9 | 2157.3 | 2005.7 |
| 75° | 1228.6 | 1530.8 | 1831.5 | 1927.9 | 1881.5 | 1744.5 | 1626.5 | 1529.7 | 1381.7 | 1265.9 | 1237.8 |
| 77.5° | 701.5 | 857.1 | 810.7 | 798.6 | 740.5 | 597.7 | 397.5 | 278.8 | 251.7 | 314.2 | 344.5 |
| 80° | 667.5 | 605.0 | 495.4 | 446.8 | 410.6 | 279.9 | 146.9 | 103.4 | 90.6 | 92.8 | 99.7 |
| 82.5° | 752.6 | 784.4 | 641.5 | 536.0 | 466.5 | 340.5 | 186.0 | 86.6 | 63.2 | 74.9 | 84.0 |
| 85° | 564.1 | 794.2 | 787.3 | 667.1 | 547.3 | 392.4 | 219.9 | 66.1 | 38.0 | 52.6 | 68.7 |
| 87.5° | 114.4 | 188.2 | 181.2 | 159.3 | 135.5 | 94.6 | 36.9 | 20.8 | 19.0 | 25.9 | 39.5 |
| 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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CATALOG NUMBER: VTS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 |
| 2.5° | 603.5 | 603.5 | 604.3 | 605.4 | 605.7 | 605.7 | 606.5 | 605.7 | 607.2 | 607.6 | 607.9 |
| 5° | 606.8 | 607.9 | 608.7 | 610.5 | 611.6 | 612.3 | 613.4 | 612.7 | 614.1 | 614.5 | 615.2 |
| 7.5° | 610.5 | 612.3 | 613.8 | 614.5 | 616.0 | 616.0 | 616.3 | 615.6 | 615.2 | 614.1 | 613.8 |
| 10° | 617.1 | 618.2 | 620.0 | 619.3 | 618.5 | 616.0 | 613.8 | 610.5 | 608.7 | 605.4 | 603.5 |
| 12.5° | 627.7 | 628.4 | 628.4 | 625.1 | 620.3 | 614.5 | 609.0 | 603.5 | 599.2 | 595.5 | 593.3 |
| 15° | 635.0 | 636.4 | 634.6 | 629.8 | 622.9 | 614.9 | 607.6 | 600.3 | 594.4 | 589.7 | 586.7 |
| 17.5° | 640.4 | 640.1 | 636.8 | 630.2 | 623.6 | 616.7 | 610.1 | 602.4 | 595.1 | 588.2 | 583.8 |
| 20° | 648.8 | 645.2 | 639.3 | 632.4 | 625.5 | 619.6 | 614.5 | 607.2 | 599.5 | 590.0 | 583.4 |
| 22.5° | 660.2 | 653.6 | 645.2 | 637.9 | 631.3 | 625.8 | 620.0 | 613.8 | 605.7 | 595.1 | 586.0 |
| 25° | 676.2 | 664.9 | 655.4 | 648.1 | 642.3 | 636.1 | 629.5 | 621.4 | 613.4 | 602.4 | 591.5 |
| 27.5° | 700.7 | 683.9 | 671.9 | 665.3 | 659.8 | 651.4 | 643.0 | 633.5 | 623.3 | 611.9 | 599.5 |
| 30° | 730.3 | 710.2 | 696.3 | 690.5 | 683.9 | 674.4 | 665.3 | 652.1 | 637.9 | 624.4 | 609.0 |
| 32.5° | 765.0 | 744.6 | 730.7 | 726.3 | 715.7 | 704.7 | 692.0 | 674.4 | 655.8 | 635.7 | 617.4 |
| 35° | 817.6 | 791.7 | 778.9 | 768.7 | 754.1 | 740.9 | 719.4 | 696.3 | 669.7 | 643.0 | 620.3 |
| 37.5° | 871.7 | 845.4 | 832.2 | 818.0 | 799.0 | 774.9 | 746.0 | 713.1 | 677.7 | 644.8 | 617.1 |
| 40° | 944.0 | 915.5 | 898.7 | 876.8 | 846.1 | 808.5 | 765.8 | 720.8 | 677.7 | 636.8 | 603.2 |
| 42.5° | 1028.4 | 1002.1 | 976.2 | 940.0 | 890.7 | 835.9 | 776.0 | 718.3 | 666.0 | 618.9 | 583.4 |
| 45° | 1145.3 | 1100.4 | 1059.1 | 1001.0 | 929.1 | 852.0 | 777.1 | 706.2 | 645.9 | 593.7 | 554.2 |
| 47.5° | 1276.9 | 1218.8 | 1145.7 | 1054.7 | 956.5 | 858.2 | 766.5 | 683.6 | 614.1 | 557.5 | 514.4 |
| 50° | 1428.5 | 1339.3 | 1227.2 | 1097.5 | 970.3 | 849.8 | 741.3 | 645.6 | 570.3 | 505.3 | 459.2 |
| 52.5° | 1602.0 | 1466.1 | 1301.0 | 1127.8 | 968.2 | 824.2 | 699.6 | 595.5 | 511.5 | 442.4 | 397.1 |
| 55° | 1794.6 | 1604.2 | 1371.5 | 1147.2 | 948.4 | 774.5 | 634.2 | 525.0 | 438.4 | 370.5 | 330.6 |
| 57.5° | 2134.0 | 1846.4 | 1505.9 | 1173.1 | 907.1 | 699.3 | 551.3 | 435.9 | 357.7 | 299.9 | 261.9 |
| 60° | 2764.5 | 2269.9 | 1760.6 | 1234.1 | 845.0 | 605.0 | 446.8 | 342.0 | 276.6 | 234.5 | 206.4 |
| 62.5° | 3154.7 | 2568.0 | 1884.8 | 1225.4 | 744.2 | 476.0 | 331.7 | 253.5 | 202.0 | 174.3 | 156.7 |
| 65° | 3062.3 | 2451.1 | 1733.2 | 1052.5 | 579.1 | 337.6 | 219.6 | 165.9 | 138.8 | 124.6 | 116.2 |
| 66° | 2936.6 | 2320.3 | 1604.9 | 942.6 | 504.5 | 282.0 | 181.2 | 139.2 | 119.5 | 108.9 | 104.5 |
| 67.5° | 2673.2 | 2081.3 | 1384.3 | 754.8 | 378.1 | 210.1 | 133.7 | 109.2 | 97.2 | 91.7 | 88.8 |
| 70° | 2237.3 | 1676.9 | 979.1 | 445.7 | 205.0 | 114.0 | 85.5 | 76.0 | 73.1 | 71.2 | 70.1 |
| 72.5° | 1729.9 | 1214.0 | 572.1 | 219.2 | 103.4 | 73.8 | 65.0 | 61.0 | 59.9 | 59.9 | 60.3 |
| 75° | 1089.8 | 697.8 | 256.1 | 105.6 | 70.1 | 59.6 | 55.5 | 53.7 | 54.1 | 54.4 | 54.1 |
| 77.5° | 362.1 | 240.8 | 106.7 | 74.9 | 61.0 | 54.1 | 50.8 | 50.1 | 50.8 | 51.1 | 51.1 |
| 80° | 104.1 | 91.0 | 77.1 | 66.1 | 55.9 | 50.4 | 47.5 | 47.1 | 49.0 | 49.3 | 48.6 |
| 82.5° | 80.0 | 74.9 | 69.8 | 63.9 | 53.7 | 47.5 | 46.4 | 46.8 | 47.9 | 47.1 | 43.8 |
| 85° | 73.4 | 72.7 | 52.2 | 51.9 | 46.8 | 45.3 | 44.2 | 44.6 | 43.5 | 39.5 | 35.8 |
| 87.5° | 41.3 | 38.4 | 29.6 | 30.0 | 34.7 | 35.8 | 29.6 | 31.4 | 29.2 | 25.6 | 23.4 |
| 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: P159409

CATALOG NUMBER: VTS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 602.8 | 602.8 | 602.8 | 602.8 | 602.8 |
| 2.5° | 608.7 | 608.3 | 608.3 | 609.4 | 607.9 |
| 5° | 615.6 | 615.2 | 615.2 | 616.3 | 615.2 |
| 7.5° | 612.3 | 611.2 | 610.5 | 610.1 | 610.1 |
| 10° | 601.3 | 600.3 | 598.1 | 597.3 | 596.6 |
| 12.5° | 590.0 | 588.9 | 586.4 | 586.4 | 585.6 |
| 15° | 583.1 | 581.6 | 579.8 | 578.7 | 578.0 |
| 17.5° | 579.4 | 577.2 | 575.0 | 573.9 | 573.2 |
| 20° | 578.0 | 575.0 | 572.5 | 570.7 | 570.7 |
| 22.5° | 578.3 | 574.7 | 571.8 | 569.6 | 568.8 |
| 25° | 582.0 | 576.5 | 572.9 | 570.7 | 569.9 |
| 27.5° | 587.1 | 580.5 | 575.8 | 572.9 | 571.8 |
| 30° | 594.0 | 584.9 | 578.3 | 574.7 | 573.2 |
| 32.5° | 598.8 | 586.0 | 577.6 | 572.5 | 570.7 |
| 35° | 598.4 | 582.0 | 571.8 | 565.2 | 563.0 |
| 37.5° | 591.9 | 572.5 | 559.0 | 550.9 | 547.3 |
| 40° | 577.2 | 555.0 | 540.7 | 533.0 | 528.6 |
| 42.5° | 556.0 | 531.9 | 519.1 | 510.7 | 506.0 |
| 45° | 522.8 | 499.1 | 483.3 | 476.8 | 470.6 |
| 47.5° | 476.8 | 452.7 | 439.1 | 429.6 | 425.6 |
| 50° | 422.7 | 398.6 | 384.3 | 376.7 | 373.0 |
| 52.5° | 363.5 | 340.5 | 330.3 | 323.0 | 317.8 |
| 55° | 302.1 | 280.9 | 276.6 | 268.5 | 263.8 |
| 57.5° | 244.4 | 232.0 | 228.0 | 219.9 | 215.9 |
| 60° | 191.1 | 187.1 | 182.7 | 177.6 | 175.4 |
| 62.5° | 148.0 | 144.3 | 143.2 | 139.9 | 139.6 |
| 65° | 112.9 | 113.3 | 112.5 | 111.8 | 111.1 |
| 66° | 102.7 | 102.3 | 102.7 | 101.9 | 101.6 |
| 67.5° | 87.3 | 88.8 | 89.9 | 89.5 | 89.5 |
| 70° | 70.9 | 72.0 | 73.4 | 73.1 | 73.1 |
| 72.5° | 60.6 | 62.5 | 63.2 | 62.8 | 62.8 |
| 75° | 54.8 | 56.6 | 56.6 | 55.9 | 55.5 |
| 77.5° | 51.1 | 51.9 | 51.1 | 50.4 | 49.7 |
| 80° | 47.5 | 46.8 | 45.7 | 44.6 | 43.8 |
| 82.5° | 41.3 | 39.5 | 38.4 | 36.5 | 36.5 |
| 85° | 33.2 | 31.8 | 29.2 | 27.4 | 25.6 |
| 87.5° | 21.6 | 20.8 | 19.0 | 14.2 | 11.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)