

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: P165131

Luminaire Tested: **VTS-F02-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165131
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-F02-LED-E1-SL3-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583.4 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

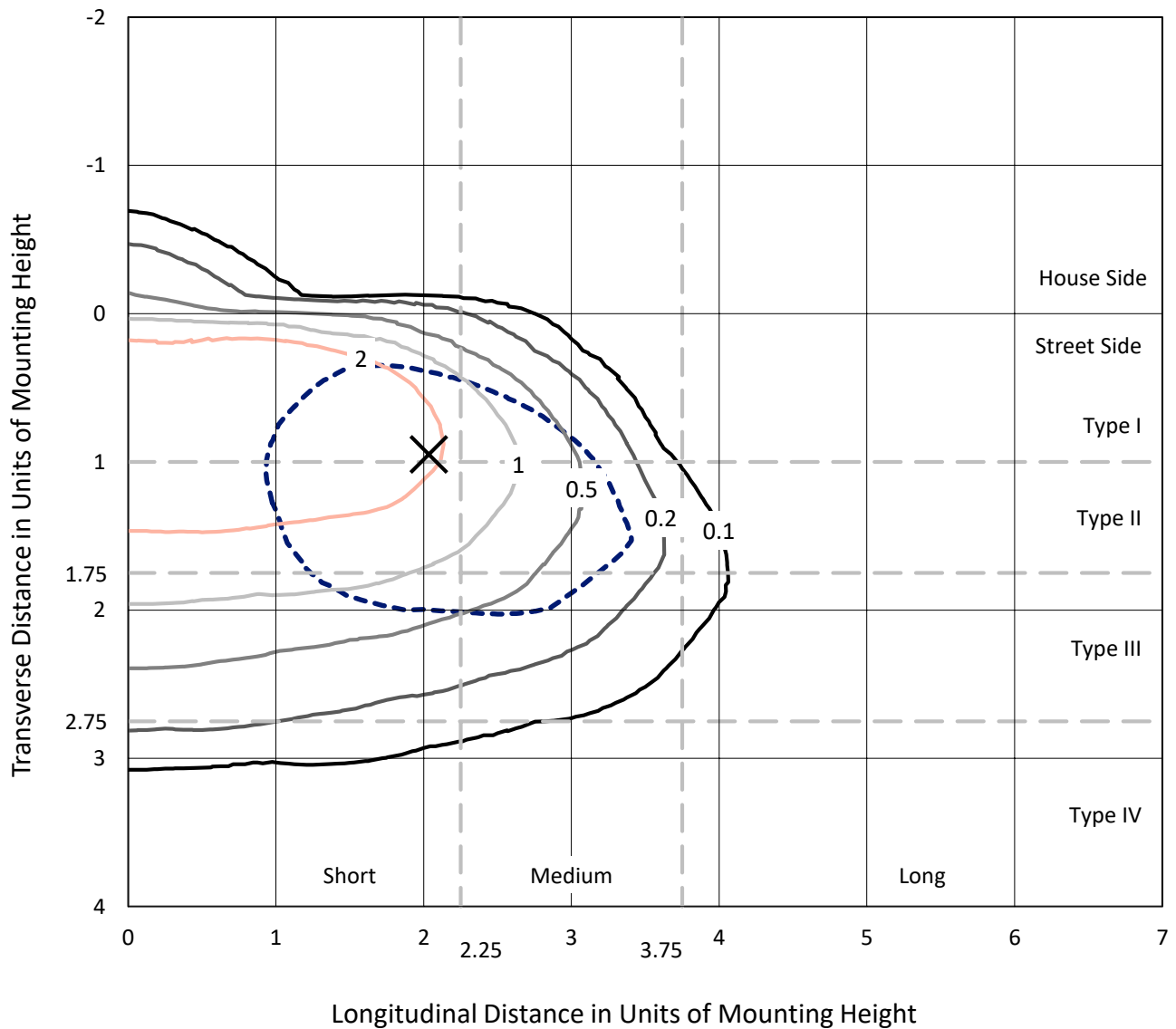
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

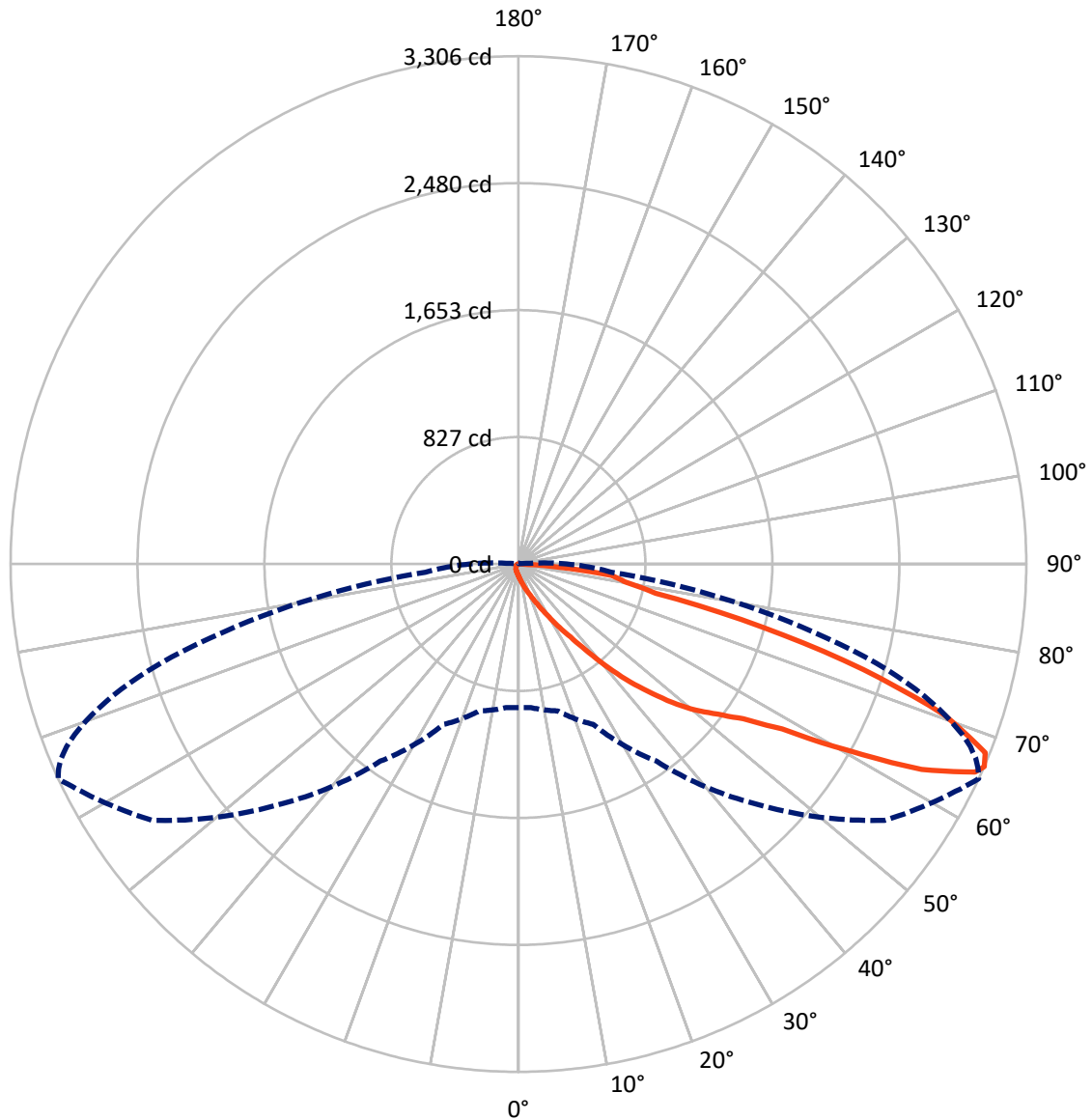


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

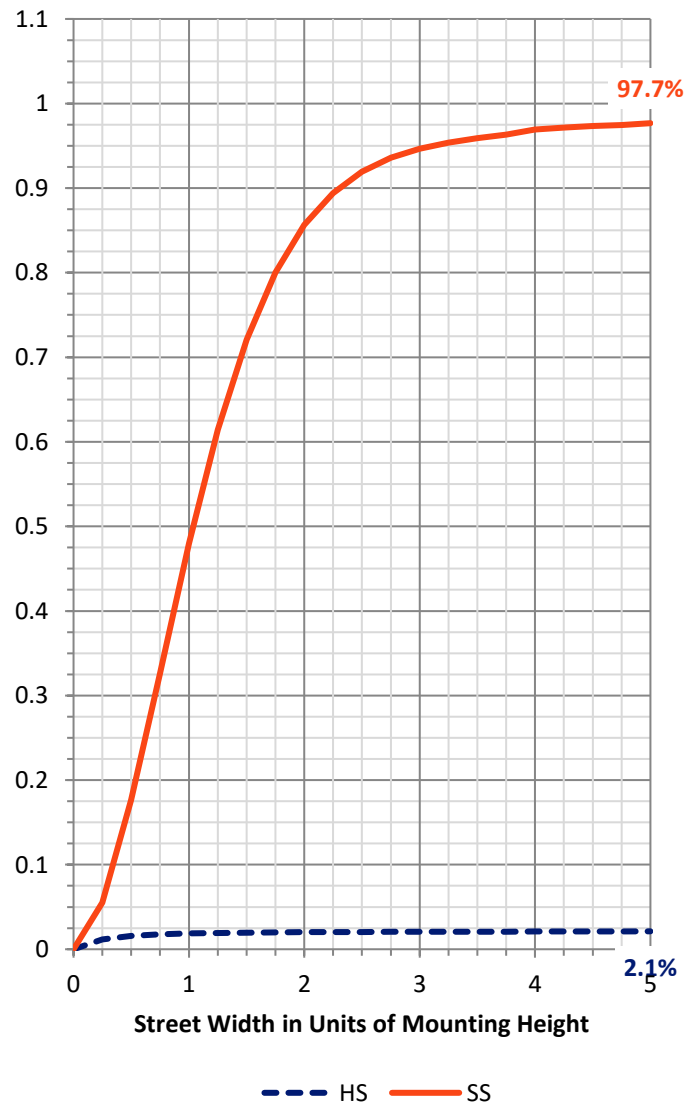
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 56.0 | 0.0 | 56.0 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 2527.3 | 0.0 | 2527.3 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 2583.4 | 0.0 | 2583.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.7 | 0.3 |
| 10°-20° | 37.0 | 1.4 |
| 20°-30° | 79.8 | 3.1 |
| 30°-40° | 170.5 | 6.6 |
| 40°-50° | 377.0 | 14.6 |
| 50°-60° | 638.9 | 24.7 |
| 60°-70° | 852.6 | 33.0 |
| 70°-80° | 375.6 | 14.5 |
| 80°-90° | 43.3 | 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° | 2583.4 | 100.0 |
| 0°-180° | 2583.4 | 100.0 |



REPORT NUMBER: P165131

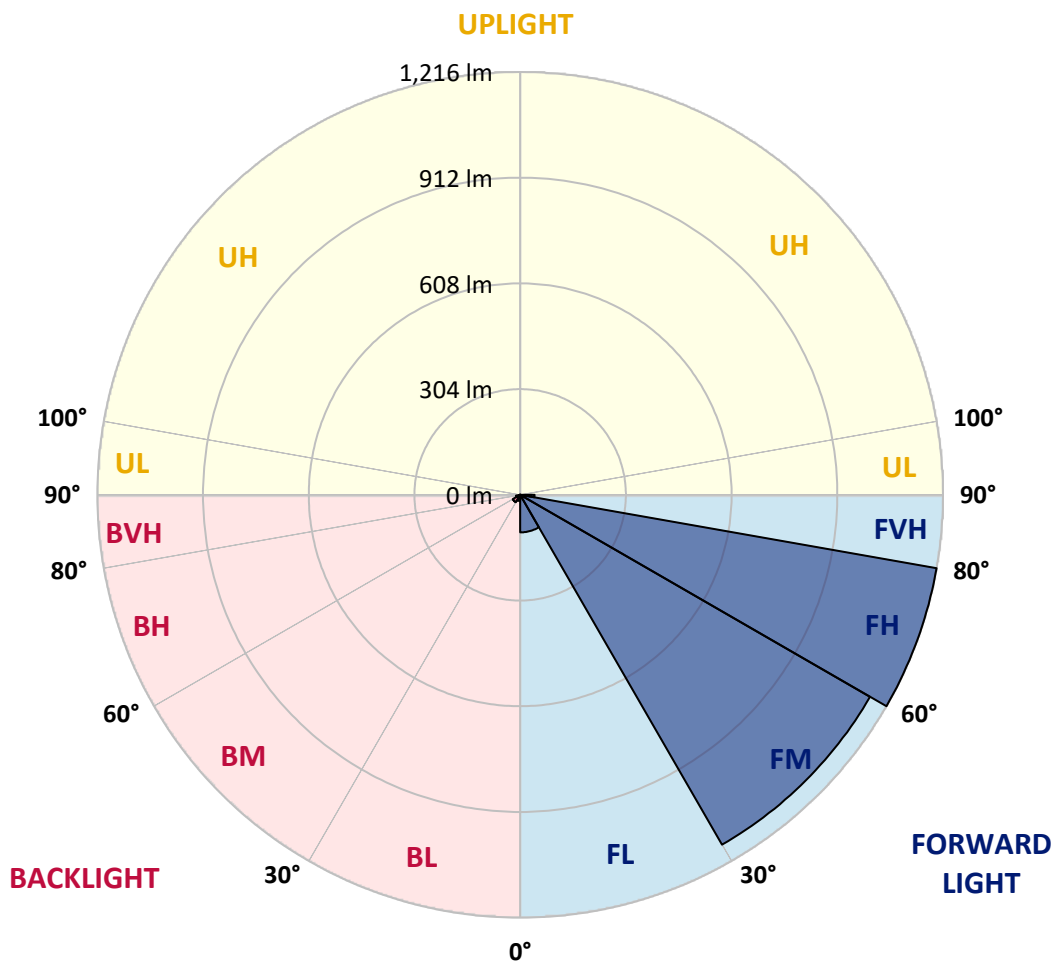
CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 107.9 | 4.2 | | | |
| FM | (30°-60°) | 1161.8 | 45.0 | | | |
| FH | (60°-80°) | 1216.1 | 47.1 | | | G1/1800 |
| FVH | (80°-90°) | 41.5 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 17.7 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 24.6 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 12.0 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.7 | 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-G1

Type III Short





REPORT NUMBER: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 2.5° | 98.4 | 97.8 | 95.8 | 95.8 | 92.9 | 90.9 | 88.4 | 85.9 | 85.9 | 85.4 | 84.9 |
| 5° | 130.1 | 127.2 | 126.6 | 121.2 | 116.7 | 110.3 | 104.3 | 96.4 | 95.4 | 94.4 | 93.9 |
| 7.5° | 165.4 | 164.9 | 160.4 | 154.0 | 145.0 | 133.1 | 121.2 | 108.3 | 106.3 | 105.3 | 103.3 |
| 10° | 211.1 | 208.6 | 202.6 | 191.7 | 178.3 | 162.4 | 143.0 | 122.7 | 120.2 | 118.2 | 117.2 |
| 12.5° | 254.8 | 250.3 | 246.8 | 232.9 | 216.0 | 192.7 | 169.3 | 140.1 | 138.1 | 135.6 | 131.6 |
| 15° | 295.5 | 291.5 | 285.6 | 273.7 | 254.8 | 225.5 | 198.2 | 162.4 | 157.4 | 154.0 | 151.0 |
| 17.5° | 327.3 | 324.8 | 317.9 | 304.5 | 284.1 | 258.3 | 225.5 | 185.2 | 181.3 | 176.8 | 171.3 |
| 20° | 357.6 | 354.1 | 343.2 | 324.8 | 303.0 | 283.1 | 257.8 | 215.0 | 209.6 | 204.1 | 198.2 |
| 22.5° | 386.4 | 382.9 | 365.1 | 334.7 | 311.4 | 303.0 | 294.0 | 248.8 | 240.4 | 235.9 | 229.9 |
| 25° | 426.6 | 419.2 | 391.4 | 343.2 | 311.9 | 318.4 | 333.7 | 292.5 | 284.6 | 278.1 | 268.7 |
| 27.5° | 480.8 | 470.8 | 427.1 | 355.6 | 313.9 | 335.3 | 379.4 | 345.7 | 337.2 | 329.8 | 319.4 |
| 30° | 541.8 | 535.4 | 483.2 | 385.4 | 328.3 | 360.1 | 430.6 | 413.2 | 403.3 | 394.3 | 381.9 |
| 32.5° | 603.4 | 594.5 | 542.8 | 442.0 | 367.0 | 408.2 | 494.7 | 491.7 | 478.8 | 470.3 | 456.9 |
| 35° | 657.6 | 653.1 | 614.9 | 534.9 | 455.4 | 492.7 | 580.1 | 583.6 | 572.2 | 563.2 | 548.3 |
| 37.5° | 694.3 | 694.3 | 686.9 | 634.7 | 596.0 | 623.8 | 705.7 | 706.3 | 694.8 | 674.5 | 667.0 |
| 40° | 713.2 | 718.6 | 745.5 | 755.4 | 753.4 | 789.2 | 870.7 | 861.7 | 852.3 | 841.8 | 817.0 |
| 42.5° | 751.9 | 756.9 | 814.0 | 882.6 | 927.3 | 974.4 | 1030.6 | 1027.6 | 1016.2 | 997.3 | 974.4 |
| 45° | 817.5 | 824.0 | 892.0 | 1000.8 | 1092.6 | 1159.7 | 1195.4 | 1181.5 | 1170.1 | 1152.3 | 1140.3 |
| 47.5° | 900.9 | 913.4 | 990.3 | 1124.9 | 1235.7 | 1346.4 | 1383.7 | 1346.9 | 1337.0 | 1323.1 | 1303.7 |
| 50° | 989.8 | 1001.8 | 1083.7 | 1237.7 | 1362.8 | 1494.9 | 1557.0 | 1494.9 | 1480.5 | 1476.0 | 1454.2 |
| 52.5° | 1066.8 | 1076.8 | 1155.7 | 1324.6 | 1460.2 | 1615.1 | 1705.5 | 1623.6 | 1613.1 | 1598.2 | 1582.3 |
| 55° | 1112.5 | 1120.5 | 1194.4 | 1366.3 | 1526.2 | 1723.4 | 1849.1 | 1777.0 | 1761.6 | 1755.7 | 1732.8 |
| 57.5° | 1127.9 | 1135.8 | 1202.4 | 1371.8 | 1562.0 | 1822.2 | 2023.4 | 2025.9 | 2007.5 | 1986.1 | 1979.2 |
| 60° | 1127.9 | 1136.8 | 1193.0 | 1358.4 | 1596.7 | 1927.5 | 2255.8 | 2462.9 | 2423.2 | 2419.2 | 2393.9 |
| 62.5° | 1081.2 | 1089.7 | 1146.3 | 1317.1 | 1643.4 | 2069.6 | 2579.6 | 2945.2 | 2933.8 | 2907.9 | 2866.2 |
| 65° | 979.9 | 984.9 | 1040.5 | 1211.8 | 1625.5 | 2200.2 | 2860.2 | 3266.0 | 3247.6 | 3197.0 | 3143.3 |
| 66° | 934.2 | 938.2 | 990.3 | 1151.7 | 1566.9 | 2218.1 | 2909.9 | 3306.2 | 3276.0 | 3233.2 | 3172.6 |
| 67.5° | 868.1 | 875.1 | 911.8 | 1040.0 | 1426.4 | 2156.0 | 2878.6 | 3277.9 | 3251.6 | 3199.9 | 3139.4 |
| 70° | 579.6 | 574.6 | 704.3 | 798.1 | 1086.7 | 1756.7 | 2582.6 | 2943.2 | 2943.7 | 2919.3 | 2895.0 |
| 72.5° | 275.1 | 278.1 | 315.9 | 491.2 | 711.2 | 1173.6 | 2055.7 | 2349.2 | 2383.0 | 2339.2 | 2308.9 |
| 75° | 197.7 | 202.1 | 225.0 | 300.5 | 424.1 | 704.3 | 1332.5 | 1642.9 | 1643.9 | 1566.4 | 1497.4 |
| 77.5° | 57.6 | 60.1 | 84.4 | 185.2 | 317.9 | 475.3 | 765.3 | 913.4 | 892.0 | 836.4 | 784.2 |
| 80° | 23.8 | 23.8 | 24.8 | 59.1 | 127.6 | 322.8 | 535.4 | 703.3 | 700.8 | 679.4 | 648.6 |
| 82.5° | 8.9 | 9.4 | 11.9 | 24.3 | 30.3 | 79.5 | 357.1 | 610.4 | 608.9 | 578.6 | 556.7 |
| 85° | 1.0 | 1.0 | 3.0 | 10.4 | 11.4 | 14.9 | 71.5 | 269.2 | 267.7 | 269.2 | 235.9 |
| 87.5° | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 10.4 | 11.4 | 10.9 | 9.9 |
| 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: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 2.5° | 84.9 | 83.9 | 83.9 | 83.5 | 83.5 | 83.5 | 82.9 | 82.5 | 82.5 | 81.9 | 81.5 |
| 5° | 92.9 | 91.9 | 91.4 | 90.4 | 89.9 | 89.4 | 88.4 | 87.9 | 86.9 | 86.4 | 85.9 |
| 7.5° | 102.3 | 100.3 | 99.8 | 98.4 | 96.8 | 95.8 | 94.9 | 93.4 | 92.4 | 90.4 | 89.9 |
| 10° | 114.2 | 111.7 | 109.8 | 107.8 | 106.3 | 103.8 | 102.3 | 100.3 | 98.4 | 96.8 | 95.4 |
| 12.5° | 129.6 | 126.2 | 123.2 | 121.2 | 117.7 | 114.7 | 111.7 | 110.3 | 106.3 | 104.3 | 101.8 |
| 15° | 146.5 | 142.5 | 139.1 | 135.1 | 132.6 | 127.6 | 123.7 | 119.2 | 117.2 | 113.7 | 109.8 |
| 17.5° | 168.4 | 161.9 | 156.4 | 152.5 | 147.5 | 142.5 | 138.1 | 133.6 | 127.6 | 123.7 | 118.7 |
| 20° | 191.7 | 186.2 | 178.8 | 171.9 | 165.9 | 159.9 | 153.5 | 147.5 | 142.1 | 135.6 | 129.6 |
| 22.5° | 221.5 | 213.6 | 204.6 | 197.7 | 189.7 | 183.3 | 174.3 | 166.4 | 157.4 | 149.0 | 142.1 |
| 25° | 259.3 | 248.8 | 240.4 | 230.5 | 221.0 | 211.1 | 200.1 | 190.2 | 178.8 | 170.9 | 158.9 |
| 27.5° | 305.9 | 296.0 | 284.6 | 271.7 | 262.2 | 247.3 | 232.9 | 220.5 | 207.1 | 194.7 | 181.3 |
| 30° | 365.5 | 351.1 | 339.2 | 326.8 | 307.9 | 293.5 | 276.6 | 259.8 | 241.4 | 229.0 | 208.6 |
| 32.5° | 437.0 | 421.7 | 403.8 | 385.9 | 368.5 | 348.2 | 327.3 | 306.4 | 286.1 | 263.2 | 242.4 |
| 35° | 524.5 | 506.1 | 485.7 | 466.4 | 439.5 | 417.7 | 391.4 | 362.6 | 339.7 | 313.4 | 287.1 |
| 37.5° | 640.2 | 609.9 | 592.0 | 571.6 | 535.4 | 505.6 | 476.3 | 447.5 | 407.2 | 379.4 | 342.2 |
| 40° | 785.2 | 767.3 | 738.0 | 705.3 | 672.5 | 633.2 | 593.5 | 555.3 | 508.6 | 469.8 | 426.6 |
| 42.5° | 955.6 | 929.3 | 899.5 | 852.3 | 819.0 | 772.8 | 727.6 | 676.9 | 619.8 | 570.2 | 519.5 |
| 45° | 1115.5 | 1084.2 | 1061.4 | 1014.2 | 979.4 | 924.8 | 870.1 | 816.5 | 750.4 | 686.4 | 627.8 |
| 47.5° | 1288.3 | 1262.5 | 1224.8 | 1186.5 | 1151.3 | 1089.7 | 1030.6 | 965.5 | 896.0 | 820.0 | 744.0 |
| 50° | 1440.3 | 1420.0 | 1394.1 | 1347.9 | 1308.7 | 1257.0 | 1187.5 | 1116.5 | 1028.6 | 953.1 | 866.7 |
| 52.5° | 1569.4 | 1553.5 | 1517.3 | 1484.5 | 1449.2 | 1400.6 | 1338.5 | 1270.4 | 1175.6 | 1092.6 | 994.3 |
| 55° | 1721.9 | 1710.5 | 1678.7 | 1658.3 | 1627.1 | 1580.4 | 1522.3 | 1459.2 | 1358.8 | 1268.5 | 1157.2 |
| 57.5° | 1971.7 | 1962.8 | 1935.0 | 1926.5 | 1895.7 | 1855.0 | 1783.5 | 1715.9 | 1598.7 | 1486.5 | 1359.4 |
| 60° | 2385.4 | 2367.6 | 2326.8 | 2306.0 | 2240.9 | 2186.3 | 2093.4 | 2000.5 | 1859.0 | 1715.9 | 1563.0 |
| 62.5° | 2828.4 | 2778.3 | 2700.8 | 2634.3 | 2541.9 | 2447.0 | 2322.8 | 2180.8 | 2014.9 | 1845.1 | 1669.3 |
| 65° | 3067.3 | 2981.9 | 2884.1 | 2778.3 | 2658.6 | 2519.0 | 2362.6 | 2192.3 | 2013.9 | 1834.6 | 1648.9 |
| 66° | 3094.7 | 2998.3 | 2894.5 | 2776.8 | 2643.7 | 2495.2 | 2336.3 | 2157.5 | 1972.2 | 1797.4 | 1611.6 |
| 67.5° | 3060.4 | 2959.6 | 2849.8 | 2719.2 | 2575.2 | 2421.2 | 2254.3 | 2068.6 | 1890.3 | 1713.0 | 1532.2 |
| 70° | 2820.5 | 2720.2 | 2622.3 | 2484.8 | 2331.3 | 2176.4 | 2018.4 | 1810.8 | 1642.0 | 1479.0 | 1318.1 |
| 72.5° | 2252.3 | 2184.3 | 2087.4 | 1969.7 | 1820.2 | 1638.5 | 1506.8 | 1321.1 | 1174.6 | 1016.7 | 892.0 |
| 75° | 1407.5 | 1311.7 | 1192.0 | 1042.0 | 927.7 | 780.2 | 703.3 | 562.2 | 478.8 | 405.8 | 335.3 |
| 77.5° | 719.6 | 647.7 | 563.7 | 479.3 | 398.3 | 317.9 | 245.8 | 173.8 | 117.2 | 81.5 | 60.6 |
| 80° | 594.5 | 530.9 | 461.4 | 384.4 | 312.9 | 242.9 | 174.8 | 119.2 | 76.0 | 49.7 | 38.7 |
| 82.5° | 491.2 | 437.6 | 375.5 | 303.9 | 241.9 | 190.7 | 132.6 | 86.4 | 53.6 | 34.8 | 27.3 |
| 85° | 209.1 | 189.7 | 146.5 | 116.2 | 87.4 | 64.6 | 45.2 | 30.3 | 21.4 | 17.4 | 15.9 |
| 87.5° | 8.9 | 9.9 | 9.4 | 7.4 | 5.5 | 5.5 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 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: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|-------|-------|-------|------|------|------|------|------|
| 0° | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 2.5° | 81.5 | 80.9 | 80.5 | 80.5 | 80.0 | 79.5 | 76.5 | 74.0 | 71.0 | 69.0 | 67.0 |
| 5° | 84.9 | 84.4 | 83.5 | 82.9 | 81.9 | 81.5 | 75.0 | 69.5 | 65.1 | 61.6 | 59.1 |
| 7.5° | 88.4 | 87.9 | 86.4 | 84.9 | 84.4 | 83.5 | 73.0 | 66.0 | 60.1 | 56.1 | 53.6 |
| 10° | 92.9 | 91.4 | 89.9 | 87.9 | 86.4 | 84.9 | 71.0 | 62.1 | 55.6 | 52.1 | 49.7 |
| 12.5° | 99.3 | 96.8 | 94.4 | 91.9 | 89.9 | 87.4 | 70.0 | 58.6 | 52.1 | 48.2 | 45.7 |
| 15° | 106.8 | 103.3 | 100.3 | 97.4 | 93.9 | 91.4 | 68.0 | 55.6 | 49.2 | 45.2 | 42.2 |
| 17.5° | 113.7 | 109.8 | 105.3 | 100.8 | 97.4 | 93.9 | 66.0 | 52.7 | 46.2 | 42.2 | 39.2 |
| 20° | 123.7 | 117.7 | 112.3 | 106.8 | 101.8 | 97.4 | 63.1 | 49.7 | 43.7 | 39.2 | 36.3 |
| 22.5° | 134.6 | 127.6 | 120.7 | 113.2 | 106.8 | 100.8 | 60.6 | 47.2 | 41.2 | 36.8 | 33.3 |
| 25° | 148.5 | 140.1 | 130.6 | 121.2 | 113.7 | 105.8 | 58.1 | 44.7 | 38.7 | 34.3 | 30.8 |
| 27.5° | 167.9 | 156.0 | 145.5 | 133.6 | 122.2 | 113.2 | 56.1 | 42.7 | 36.3 | 31.8 | 28.3 |
| 30° | 194.2 | 176.8 | 160.4 | 147.5 | 134.1 | 121.2 | 54.1 | 40.2 | 34.3 | 29.3 | 25.3 |
| 32.5° | 223.5 | 203.1 | 184.2 | 164.9 | 148.0 | 133.1 | 52.1 | 38.2 | 31.8 | 26.8 | 23.3 |
| 35° | 259.8 | 233.9 | 208.6 | 186.2 | 165.9 | 146.0 | 50.2 | 36.3 | 29.8 | 24.3 | 20.9 |
| 37.5° | 311.9 | 279.6 | 246.3 | 217.5 | 191.2 | 164.9 | 48.7 | 34.3 | 27.3 | 21.9 | 18.4 |
| 40° | 383.4 | 341.7 | 301.0 | 261.7 | 227.5 | 194.7 | 46.7 | 32.3 | 25.3 | 19.9 | 16.4 |
| 42.5° | 460.9 | 410.2 | 356.6 | 312.4 | 265.2 | 224.0 | 44.7 | 30.3 | 23.3 | 17.9 | 14.4 |
| 45° | 557.3 | 494.2 | 429.1 | 369.0 | 311.4 | 258.3 | 42.7 | 28.3 | 20.9 | 15.9 | 12.4 |
| 47.5° | 662.5 | 582.1 | 508.6 | 433.1 | 364.5 | 301.0 | 40.2 | 26.8 | 18.9 | 13.9 | 10.9 |
| 50° | 770.8 | 685.9 | 593.0 | 507.1 | 425.6 | 343.7 | 37.8 | 24.3 | 16.9 | 12.4 | 8.9 |
| 52.5° | 887.5 | 787.2 | 692.3 | 585.6 | 490.7 | 399.8 | 35.3 | 22.3 | 15.4 | 10.9 | 7.4 |
| 55° | 1036.0 | 923.8 | 812.5 | 692.8 | 578.6 | 464.9 | 32.8 | 19.9 | 13.4 | 9.4 | 6.0 |
| 57.5° | 1222.8 | 1089.7 | 953.1 | 818.0 | 679.4 | 550.3 | 30.8 | 17.4 | 11.4 | 7.9 | 5.0 |
| 60° | 1399.1 | 1243.6 | 1078.2 | 922.8 | 766.3 | 615.9 | 27.8 | 15.4 | 9.9 | 6.5 | 5.0 |
| 62.5° | 1490.5 | 1313.2 | 1134.9 | 963.5 | 796.6 | 639.2 | 24.8 | 12.9 | 8.4 | 5.5 | 4.5 |
| 65° | 1468.1 | 1287.3 | 1114.5 | 941.6 | 778.3 | 624.3 | 21.9 | 11.4 | 7.4 | 5.0 | 4.5 |
| 66° | 1435.8 | 1257.0 | 1083.2 | 918.8 | 762.9 | 608.4 | 20.4 | 10.9 | 7.0 | 5.0 | 4.0 |
| 67.5° | 1365.3 | 1192.5 | 1026.6 | 873.6 | 720.6 | 578.1 | 18.4 | 9.9 | 6.5 | 4.5 | 4.0 |
| 70° | 1166.2 | 1009.2 | 876.6 | 740.5 | 615.9 | 487.2 | 14.9 | 8.4 | 5.5 | 4.0 | 4.0 |
| 72.5° | 771.8 | 665.0 | 576.6 | 496.2 | 414.7 | 321.8 | 12.4 | 7.0 | 4.5 | 4.0 | 3.5 |
| 75° | 291.0 | 263.2 | 226.0 | 203.1 | 177.3 | 155.4 | 9.9 | 4.5 | 3.5 | 3.5 | 3.5 |
| 77.5° | 51.7 | 47.7 | 42.2 | 38.7 | 35.8 | 32.8 | 7.9 | 3.0 | 3.0 | 3.5 | 3.5 |
| 80° | 34.8 | 32.3 | 29.3 | 26.8 | 24.8 | 22.3 | 5.5 | 2.5 | 3.0 | 3.0 | 3.5 |
| 82.5° | 24.8 | 23.3 | 21.9 | 19.9 | 18.4 | 16.4 | 3.5 | 2.5 | 3.0 | 3.0 | 3.0 |
| 85° | 14.9 | 13.9 | 12.9 | 11.9 | 10.4 | 9.9 | 2.5 | 2.5 | 2.5 | 3.0 | 3.0 |
| 87.5° | 4.0 | 3.5 | 4.0 | 4.0 | 3.0 | 3.5 | 2.0 | 2.0 | 2.0 | 2.5 | 2.5 |
| 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: P165131

CATALOG NUMBER: VTS-F02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0° | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 2.5° | 66.0 | 66.0 | 65.1 | 66.6 | 66.6 |
| 5° | 57.1 | 57.1 | 56.6 | 57.1 | 57.1 |
| 7.5° | 52.1 | 51.7 | 51.7 | 51.7 | 52.1 |
| 10° | 47.7 | 47.2 | 47.2 | 47.2 | 47.2 |
| 12.5° | 43.7 | 43.2 | 42.7 | 43.2 | 43.2 |
| 15° | 40.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| 17.5° | 37.2 | 36.3 | 35.8 | 35.8 | 35.8 |
| 20° | 34.3 | 32.8 | 32.8 | 32.8 | 32.8 |
| 22.5° | 31.3 | 29.8 | 29.8 | 29.8 | 29.8 |
| 25° | 28.3 | 26.8 | 26.8 | 26.8 | 26.8 |
| 27.5° | 25.8 | 24.3 | 24.3 | 24.3 | 24.3 |
| 30° | 22.9 | 21.9 | 21.9 | 22.3 | 21.9 |
| 32.5° | 20.9 | 19.4 | 19.4 | 19.9 | 19.9 |
| 35° | 18.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 37.5° | 15.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| 40° | 13.9 | 12.9 | 12.4 | 12.9 | 12.9 |
| 42.5° | 11.9 | 10.9 | 10.4 | 10.4 | 10.4 |
| 45° | 10.4 | 8.9 | 8.4 | 8.9 | 8.9 |
| 47.5° | 8.4 | 7.4 | 7.4 | 7.9 | 7.9 |
| 50° | 6.5 | 6.5 | 7.0 | 7.9 | 7.9 |
| 52.5° | 6.0 | 6.0 | 7.0 | 7.9 | 7.9 |
| 55° | 5.5 | 6.0 | 7.0 | 7.4 | 7.9 |
| 57.5° | 5.0 | 6.0 | 7.0 | 7.4 | 7.4 |
| 60° | 5.0 | 5.5 | 6.5 | 7.4 | 7.4 |
| 62.5° | 4.5 | 5.0 | 6.0 | 7.0 | 7.0 |
| 65° | 4.5 | 5.0 | 6.0 | 7.0 | 7.0 |
| 66° | 4.5 | 5.0 | 6.0 | 7.0 | 7.0 |
| 67.5° | 4.5 | 5.0 | 6.0 | 7.0 | 7.0 |
| 70° | 4.5 | 5.0 | 6.0 | 6.5 | 6.5 |
| 72.5° | 4.0 | 4.5 | 5.5 | 6.5 | 6.5 |
| 75° | 4.0 | 4.5 | 5.5 | 6.5 | 6.5 |
| 77.5° | 4.0 | 4.5 | 5.5 | 6.5 | 6.5 |
| 80° | 4.0 | 4.5 | 5.5 | 6.0 | 6.5 |
| 82.5° | 3.5 | 4.5 | 5.0 | 6.0 | 6.0 |
| 85° | 3.5 | 4.0 | 5.0 | 5.5 | 6.0 |
| 87.5° | 3.0 | 3.5 | 4.0 | 5.0 | 5.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)