

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: P141726

Luminaire Tested: **ECM-F03-LED-E1-T2-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141726
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33682)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-F03-LED-E1-T2-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7491.7 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

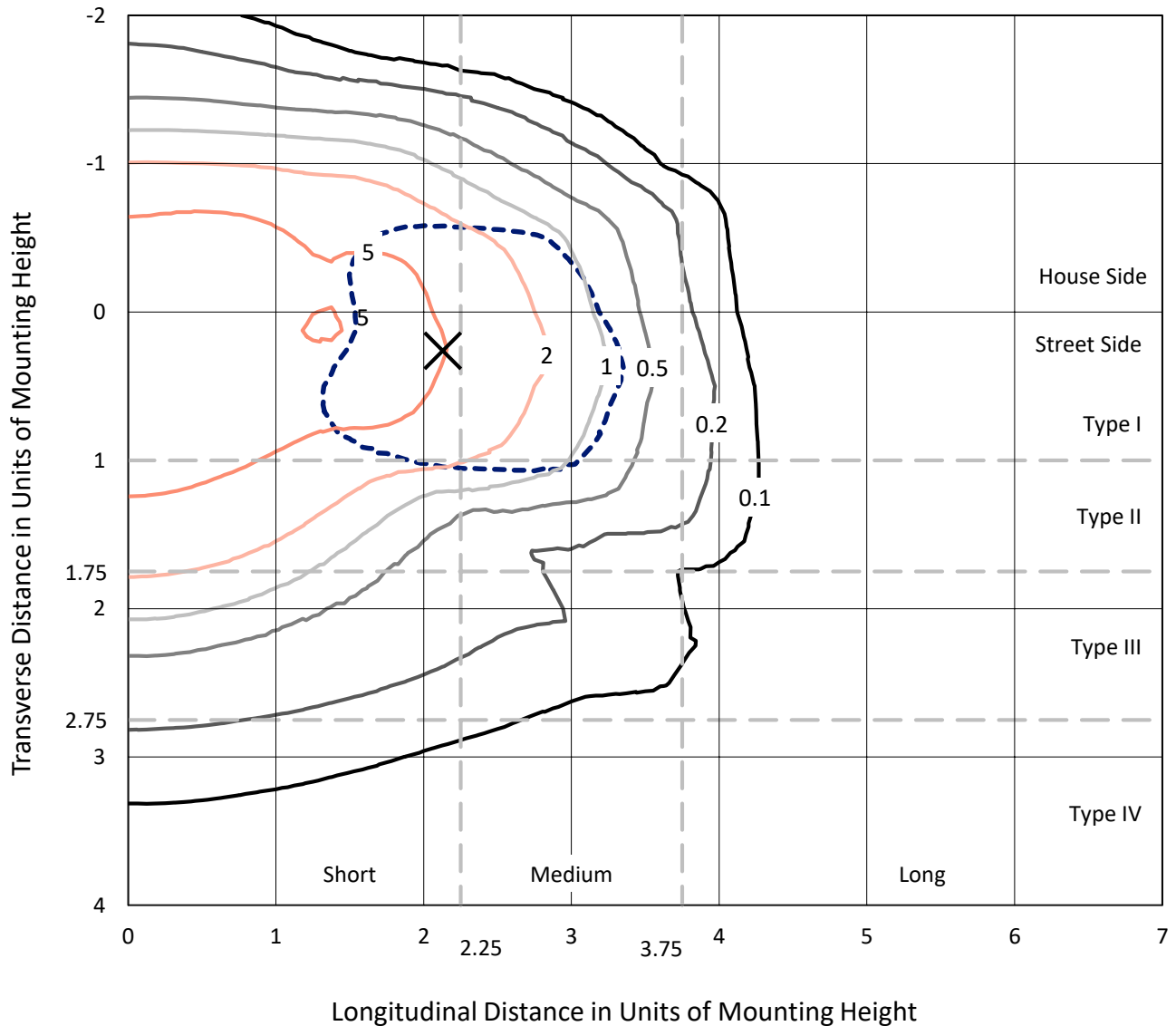
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141726
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Iso-Footcandle Lines of Horizontal Illumination

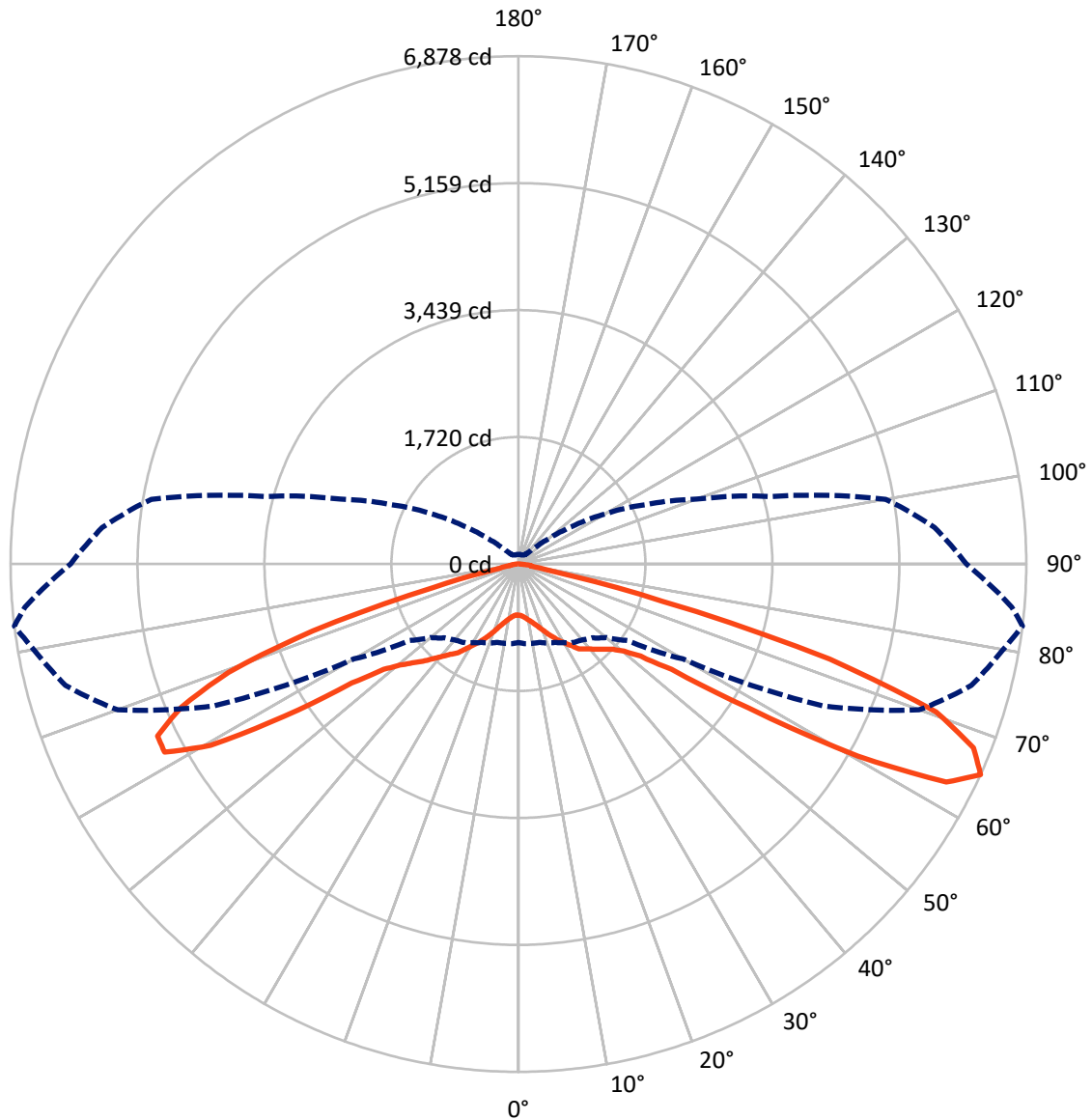
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2778.9 | 0.0 | 2778.9 |
| | % Fixture | 37.1 | 0.0 | 37.1 |
| Street Side | Lumens | 4712.8 | 0.0 | 4712.8 |
| | % Fixture | 62.9 | 0.0 | 62.9 |
| Total | Lumens | 7491.7 | 0.0 | 7491.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.8 | 0.9 |
| 10°-20° | 244.5 | 3.3 |
| 20°-30° | 483.1 | 6.4 |
| 30°-40° | 831.4 | 11.1 |
| 40°-50° | 1254.3 | 16.7 |
| 50°-60° | 1745.5 | 23.3 |
| 60°-70° | 2014.7 | 26.9 |
| 70°-80° | 732.2 | 9.8 |
| 80°-90° | 116.3 | 1.6 |
| 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° | 7491.7 | 100.0 |
| 0°-180° | 7491.7 | 100.0 |

Coefficient of Utilization



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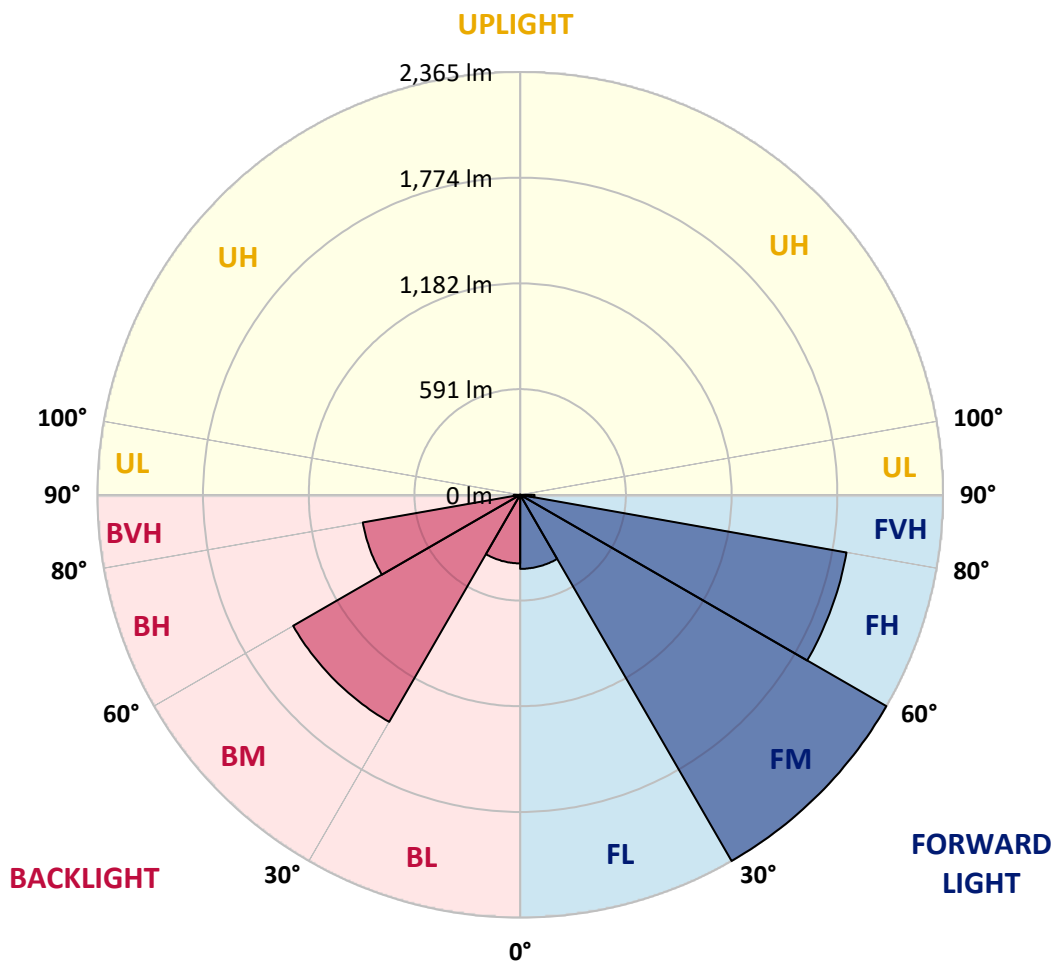
CATALOG NUMBER: ECM-F03-LED-E1-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 414.2 | 5.5 | | | |
| FM (30°-60°) | 2365.0 | 31.6 | | | |
| FH (60°-80°) | 1853.4 | 24.7 | | | G2/5000 |
| FVH (80°-90°) | 80.3 | 1.1 | | | G1/100 |
| BL (0°-30°) | 383.2 | 5.1 | B1/500 | | |
| BM (30°-60°) | 1466.2 | 19.6 | B2/2500 | | |
| BH (60°-80°) | 893.5 | 11.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 36.0 | 0.5 | | | 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° | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 |
| 2.5° | 727.6 | 729.3 | 727.6 | 727.6 | 726.8 | 725.9 | 725.9 | 725.1 | 723.4 | 721.7 | 720.9 |
| 5° | 767.5 | 768.3 | 765.8 | 765.8 | 766.6 | 765.8 | 763.2 | 764.1 | 757.3 | 754.7 | 753.1 |
| 7.5° | 811.5 | 814.0 | 810.7 | 809.0 | 808.1 | 806.4 | 803.9 | 799.6 | 794.6 | 790.3 | 787.8 |
| 10° | 861.5 | 864.0 | 862.3 | 858.9 | 853.9 | 851.3 | 848.8 | 842.0 | 836.1 | 829.3 | 824.2 |
| 12.5° | 920.8 | 921.6 | 919.9 | 913.1 | 909.8 | 902.1 | 893.7 | 886.0 | 877.6 | 867.4 | 858.9 |
| 15° | 979.2 | 980.1 | 977.5 | 970.7 | 966.5 | 957.2 | 945.3 | 935.2 | 920.8 | 908.9 | 897.9 |
| 17.5° | 1024.1 | 1025.8 | 1020.7 | 1015.6 | 1009.7 | 997.9 | 986.8 | 975.0 | 959.7 | 947.0 | 936.0 |
| 20° | 1039.4 | 1041.9 | 1038.5 | 1036.0 | 1032.6 | 1026.7 | 1015.6 | 1005.5 | 991.9 | 982.6 | 974.1 |
| 22.5° | 1032.6 | 1035.1 | 1033.4 | 1033.4 | 1033.4 | 1032.6 | 1027.5 | 1025.0 | 1016.5 | 1012.3 | 1010.6 |
| 25° | 1022.4 | 1025.0 | 1023.3 | 1025.0 | 1028.3 | 1032.6 | 1032.6 | 1037.7 | 1036.8 | 1043.6 | 1047.8 |
| 27.5° | 1048.7 | 1050.4 | 1046.1 | 1046.1 | 1049.5 | 1056.3 | 1054.6 | 1064.8 | 1066.5 | 1080.0 | 1092.7 |
| 30° | 1140.2 | 1140.2 | 1133.4 | 1126.6 | 1129.2 | 1127.5 | 1125.8 | 1132.5 | 1132.5 | 1145.2 | 1151.2 |
| 32.5° | 1276.5 | 1267.2 | 1266.4 | 1265.5 | 1259.6 | 1263.8 | 1250.3 | 1251.1 | 1245.2 | 1246.9 | 1244.4 |
| 35° | 1426.5 | 1425.6 | 1422.2 | 1420.5 | 1418.0 | 1430.7 | 1420.5 | 1429.0 | 1407.8 | 1400.2 | 1385.8 |
| 37.5° | 1557.8 | 1561.2 | 1563.7 | 1576.4 | 1582.3 | 1607.7 | 1613.7 | 1617.9 | 1595.9 | 1596.7 | 1564.5 |
| 40° | 1689.9 | 1694.2 | 1703.5 | 1726.3 | 1743.3 | 1767.0 | 1778.0 | 1795.8 | 1797.5 | 1800.9 | 1777.2 |
| 42.5° | 1833.9 | 1827.1 | 1839.8 | 1868.6 | 1889.8 | 1913.5 | 1927.9 | 1961.0 | 1979.6 | 1988.9 | 1992.3 |
| 45° | 1950.0 | 1942.3 | 1948.3 | 1965.2 | 1984.7 | 2015.2 | 2046.5 | 2095.7 | 2135.5 | 2178.7 | 2202.4 |
| 47.5° | 2010.1 | 2011.8 | 2016.0 | 2026.2 | 2039.8 | 2069.4 | 2113.5 | 2176.1 | 2240.5 | 2310.0 | 2371.8 |
| 50° | 2029.6 | 2030.4 | 2036.4 | 2046.5 | 2059.2 | 2090.6 | 2136.3 | 2207.5 | 2285.4 | 2382.8 | 2477.7 |
| 52.5° | 2035.5 | 2032.1 | 2038.1 | 2043.1 | 2051.6 | 2077.9 | 2121.1 | 2195.6 | 2283.7 | 2401.5 | 2542.1 |
| 55° | 2013.5 | 2009.3 | 2019.4 | 2026.2 | 2033.0 | 2054.2 | 2087.2 | 2155.8 | 2247.3 | 2381.1 | 2564.9 |
| 57.5° | 1928.8 | 1929.6 | 1944.0 | 1961.8 | 1979.6 | 2008.4 | 2051.6 | 2116.8 | 2207.5 | 2339.6 | 2545.5 |
| 60° | 1785.6 | 1783.1 | 1800.9 | 1822.9 | 1853.4 | 1899.1 | 1952.5 | 2018.6 | 2094.0 | 2204.1 | 2406.5 |
| 62.5° | 1525.6 | 1535.7 | 1541.7 | 1574.7 | 1576.4 | 1641.6 | 1676.4 | 1742.4 | 1806.8 | 1891.5 | 2073.6 |
| 65° | 1062.2 | 1084.3 | 1090.2 | 1098.7 | 1138.5 | 1172.4 | 1228.3 | 1297.7 | 1340.1 | 1414.6 | 1550.1 |
| 67.5° | 661.6 | 677.7 | 678.5 | 700.5 | 735.3 | 774.2 | 817.4 | 887.7 | 952.1 | 964.0 | 1031.7 |
| 70° | 548.9 | 549.8 | 561.6 | 577.7 | 604.8 | 644.6 | 687.0 | 736.1 | 794.6 | 831.8 | 825.1 |
| 72.5° | 454.9 | 460.0 | 468.4 | 484.5 | 514.2 | 549.8 | 604.0 | 666.6 | 739.5 | 814.0 | 880.1 |
| 75° | 304.9 | 313.4 | 316.0 | 323.6 | 338.0 | 370.2 | 410.8 | 470.1 | 564.2 | 675.1 | 815.7 |
| 77.5° | 161.8 | 163.5 | 169.4 | 175.3 | 183.0 | 202.5 | 228.7 | 259.2 | 321.0 | 416.8 | 581.9 |
| 80° | 82.2 | 85.6 | 89.8 | 94.0 | 93.2 | 98.3 | 105.9 | 119.4 | 140.6 | 183.0 | 263.4 |
| 82.5° | 29.6 | 38.1 | 50.0 | 55.9 | 55.9 | 57.6 | 60.1 | 62.7 | 61.0 | 67.8 | 84.7 |
| 85° | 13.6 | 15.2 | 19.5 | 30.5 | 31.3 | 31.3 | 31.3 | 33.0 | 31.3 | 28.0 | 33.0 |
| 87.5° | 0.0 | 2.5 | 2.5 | 7.6 | 8.5 | 7.6 | 8.5 | 11.0 | 8.5 | 6.8 | 5.9 |
| 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: ECM-F03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 83° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 |
| 2.5° | 716.6 | 714.9 | 710.7 | 709.0 | 703.9 | 700.5 | 698.8 | 697.1 | 694.6 | 691.2 | 688.7 |
| 5° | 748.0 | 742.9 | 737.0 | 733.6 | 726.8 | 720.0 | 717.5 | 714.1 | 708.2 | 703.1 | 697.1 |
| 7.5° | 781.0 | 775.1 | 768.3 | 760.7 | 753.9 | 746.3 | 742.9 | 739.5 | 731.0 | 724.2 | 715.8 |
| 10° | 816.6 | 808.1 | 800.5 | 793.7 | 787.8 | 779.3 | 773.4 | 770.8 | 763.2 | 753.1 | 744.6 |
| 12.5° | 850.5 | 841.1 | 833.5 | 825.1 | 819.1 | 812.3 | 806.4 | 803.9 | 797.9 | 788.6 | 781.9 |
| 15° | 886.0 | 876.7 | 868.3 | 862.3 | 855.5 | 851.3 | 847.9 | 843.7 | 841.1 | 833.5 | 830.1 |
| 17.5° | 924.2 | 915.7 | 908.1 | 903.0 | 900.4 | 899.6 | 898.7 | 897.1 | 894.5 | 889.4 | 886.9 |
| 20° | 967.4 | 959.7 | 957.2 | 956.3 | 957.2 | 958.0 | 959.7 | 959.7 | 960.6 | 957.2 | 956.3 |
| 22.5° | 1008.9 | 1008.9 | 1013.1 | 1018.2 | 1023.3 | 1026.7 | 1029.2 | 1025.8 | 1026.7 | 1031.7 | 1036.0 |
| 25° | 1054.6 | 1062.2 | 1073.2 | 1081.7 | 1089.3 | 1095.3 | 1098.7 | 1100.4 | 1102.0 | 1109.7 | 1117.3 |
| 27.5° | 1103.7 | 1115.6 | 1131.7 | 1142.7 | 1157.1 | 1166.4 | 1173.2 | 1172.4 | 1174.9 | 1185.1 | 1198.6 |
| 30° | 1164.7 | 1176.6 | 1193.5 | 1208.8 | 1228.3 | 1241.8 | 1244.4 | 1242.7 | 1246.0 | 1255.4 | 1282.5 |
| 32.5° | 1250.3 | 1252.8 | 1263.8 | 1279.1 | 1300.3 | 1313.8 | 1316.4 | 1320.6 | 1328.2 | 1345.2 | 1378.2 |
| 35° | 1370.6 | 1359.6 | 1358.7 | 1365.5 | 1385.8 | 1412.1 | 1414.6 | 1417.2 | 1420.5 | 1442.6 | 1486.6 |
| 37.5° | 1533.2 | 1488.3 | 1461.2 | 1440.0 | 1442.6 | 1451.9 | 1457.0 | 1458.7 | 1467.1 | 1501.0 | 1575.6 |
| 40° | 1737.4 | 1653.5 | 1593.3 | 1533.2 | 1511.2 | 1512.9 | 1514.6 | 1512.9 | 1529.8 | 1582.3 | 1679.8 |
| 42.5° | 1961.0 | 1887.3 | 1782.2 | 1657.7 | 1595.0 | 1574.7 | 1577.3 | 1578.9 | 1605.2 | 1681.4 | 1789.9 |
| 45° | 2198.2 | 2150.7 | 2028.7 | 1833.9 | 1699.2 | 1647.6 | 1645.9 | 1649.3 | 1692.5 | 1800.0 | 1914.4 |
| 47.5° | 2406.5 | 2418.4 | 2328.6 | 2099.9 | 1868.6 | 1737.4 | 1726.3 | 1732.3 | 1802.6 | 1917.8 | 2033.8 |
| 50° | 2571.7 | 2649.7 | 2642.9 | 2461.6 | 2143.1 | 1892.4 | 1853.4 | 1861.9 | 1944.9 | 2064.3 | 2168.5 |
| 52.5° | 2696.2 | 2854.6 | 2956.3 | 2884.3 | 2607.3 | 2173.6 | 2072.8 | 2058.4 | 2162.6 | 2288.8 | 2353.2 |
| 55° | 2779.3 | 3035.9 | 3302.7 | 3427.3 | 3314.6 | 2780.9 | 2517.5 | 2486.2 | 2598.8 | 2759.8 | 2787.7 |
| 57.5° | 2834.3 | 3256.2 | 3830.5 | 4311.6 | 4464.9 | 4007.5 | 3677.2 | 3545.9 | 3628.0 | 3798.3 | 3761.9 |
| 60° | 2742.8 | 3343.4 | 4467.5 | 5329.8 | 5766.0 | 5652.5 | 5284.9 | 5086.7 | 4933.4 | 4920.7 | 4718.2 |
| 62.5° | 2392.1 | 3135.9 | 4725.8 | 5814.3 | 6427.6 | 6569.1 | 6503.8 | 6269.2 | 5844.8 | 5609.3 | 5151.9 |
| 65° | 1804.3 | 2569.2 | 4542.0 | 5777.1 | 6352.2 | 6665.6 | 6878.3 | 6709.7 | 6065.9 | 5658.5 | 5050.3 |
| 67.5° | 1152.9 | 1658.6 | 3778.0 | 5329.0 | 5869.4 | 6221.8 | 6647.0 | 6569.9 | 5747.4 | 5227.3 | 4565.7 |
| 70° | 842.0 | 919.1 | 2563.3 | 4510.7 | 5105.3 | 5415.4 | 5999.8 | 5966.0 | 5040.1 | 4455.6 | 3800.0 |
| 72.5° | 969.9 | 685.3 | 1405.3 | 3369.7 | 3829.6 | 4073.6 | 4408.2 | 4326.0 | 3521.3 | 3115.5 | 2651.3 |
| 75° | 1093.6 | 766.6 | 792.0 | 1999.1 | 2139.7 | 1968.6 | 2014.3 | 1749.2 | 1364.6 | 1209.6 | 1191.8 |
| 77.5° | 920.8 | 961.4 | 718.3 | 858.9 | 791.2 | 570.1 | 426.9 | 334.6 | 261.7 | 281.2 | 312.6 |
| 80° | 535.4 | 1080.9 | 950.4 | 447.3 | 501.5 | 399.0 | 177.9 | 147.4 | 122.0 | 123.7 | 125.4 |
| 82.5° | 165.2 | 675.1 | 1337.5 | 546.4 | 496.4 | 562.5 | 163.5 | 100.0 | 80.5 | 90.6 | 102.5 |
| 85° | 55.1 | 282.9 | 1072.4 | 573.5 | 321.0 | 299.9 | 72.0 | 49.1 | 40.7 | 56.8 | 80.5 |
| 87.5° | 13.6 | 68.6 | 199.1 | 75.4 | 47.4 | 28.8 | 24.6 | 17.8 | 19.5 | 35.6 | 50.0 |
| 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: ECM-F03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 |
| 2.5° | 687.0 | 684.4 | 681.9 | 680.2 | 677.7 | 677.7 | 675.1 | 675.1 | 671.7 | 670.0 | 670.0 |
| 5° | 692.1 | 687.0 | 682.7 | 678.5 | 674.3 | 672.6 | 669.2 | 667.5 | 664.1 | 661.6 | 659.9 |
| 7.5° | 709.0 | 702.2 | 697.1 | 692.1 | 687.0 | 684.4 | 681.0 | 677.7 | 676.8 | 675.1 | 673.4 |
| 10° | 737.8 | 728.5 | 724.2 | 720.9 | 714.1 | 712.4 | 709.0 | 706.5 | 703.9 | 701.4 | 702.2 |
| 12.5° | 775.1 | 768.3 | 766.6 | 759.8 | 758.1 | 755.6 | 750.5 | 748.8 | 742.0 | 737.0 | 734.4 |
| 15° | 822.5 | 820.0 | 820.0 | 816.6 | 811.5 | 807.3 | 799.6 | 795.4 | 783.5 | 775.9 | 767.5 |
| 17.5° | 885.2 | 882.7 | 883.5 | 880.1 | 874.2 | 866.6 | 858.1 | 845.4 | 827.6 | 814.0 | 797.1 |
| 20° | 958.0 | 957.2 | 958.9 | 956.3 | 948.7 | 938.6 | 918.2 | 899.6 | 875.0 | 850.5 | 831.8 |
| 22.5° | 1039.4 | 1043.6 | 1045.3 | 1038.5 | 1030.0 | 1008.9 | 986.8 | 959.7 | 926.7 | 894.5 | 868.3 |
| 25° | 1125.8 | 1135.9 | 1141.9 | 1132.5 | 1122.4 | 1095.3 | 1062.2 | 1025.8 | 979.2 | 940.3 | 905.5 |
| 27.5° | 1210.5 | 1231.6 | 1240.1 | 1235.0 | 1218.9 | 1180.8 | 1136.8 | 1088.5 | 1031.7 | 980.1 | 935.2 |
| 30° | 1311.3 | 1339.2 | 1354.5 | 1346.9 | 1315.5 | 1265.5 | 1212.2 | 1146.9 | 1074.9 | 1013.1 | 958.9 |
| 32.5° | 1417.2 | 1451.9 | 1462.9 | 1446.8 | 1401.1 | 1338.4 | 1268.9 | 1189.3 | 1108.0 | 1036.8 | 975.8 |
| 35° | 1534.9 | 1567.1 | 1569.6 | 1538.3 | 1478.1 | 1398.5 | 1312.1 | 1216.4 | 1123.2 | 1043.6 | 976.7 |
| 37.5° | 1637.4 | 1669.6 | 1667.0 | 1620.5 | 1547.6 | 1448.5 | 1338.4 | 1222.3 | 1113.9 | 1023.3 | 950.4 |
| 40° | 1745.0 | 1780.6 | 1761.1 | 1700.9 | 1606.9 | 1480.7 | 1341.8 | 1202.0 | 1078.3 | 979.2 | 899.6 |
| 42.5° | 1858.5 | 1873.7 | 1839.0 | 1763.6 | 1642.5 | 1479.8 | 1313.0 | 1153.7 | 1022.4 | 912.3 | 828.4 |
| 45° | 1962.7 | 1950.8 | 1900.8 | 1800.0 | 1639.9 | 1443.4 | 1256.2 | 1093.6 | 947.9 | 837.8 | 755.6 |
| 47.5° | 2055.9 | 2018.6 | 1941.5 | 1800.0 | 1600.1 | 1379.0 | 1183.4 | 1015.6 | 870.8 | 759.8 | 678.5 |
| 50° | 2156.7 | 2078.7 | 1958.4 | 1768.7 | 1528.1 | 1301.1 | 1106.3 | 937.7 | 788.6 | 675.1 | 586.2 |
| 52.5° | 2290.5 | 2150.7 | 1958.4 | 1711.9 | 1453.6 | 1222.3 | 1025.0 | 847.1 | 692.9 | 574.3 | 486.2 |
| 55° | 2603.9 | 2301.5 | 1992.3 | 1680.6 | 1387.5 | 1139.3 | 928.4 | 730.2 | 580.2 | 466.7 | 393.9 |
| 57.5° | 3219.7 | 2631.9 | 2162.6 | 1738.2 | 1362.9 | 1049.5 | 803.9 | 600.6 | 458.3 | 363.4 | 302.4 |
| 60° | 3732.2 | 2898.7 | 2300.7 | 1782.2 | 1323.1 | 933.5 | 651.4 | 460.0 | 340.5 | 268.5 | 228.7 |
| 62.5° | 3864.4 | 2902.1 | 2243.9 | 1667.9 | 1162.2 | 759.8 | 480.3 | 316.8 | 233.8 | 194.8 | 173.7 |
| 65° | 3534.0 | 2566.6 | 1908.5 | 1360.4 | 885.2 | 527.7 | 300.7 | 192.3 | 155.9 | 142.3 | 133.8 |
| 67.5° | 2970.7 | 2044.8 | 1414.6 | 948.7 | 558.2 | 290.5 | 168.6 | 132.1 | 118.6 | 114.4 | 110.1 |
| 70° | 2278.6 | 1436.6 | 920.8 | 555.7 | 292.2 | 150.8 | 120.3 | 108.4 | 102.5 | 100.0 | 96.6 |
| 72.5° | 1404.5 | 848.8 | 500.6 | 266.8 | 145.7 | 115.2 | 107.6 | 103.3 | 95.7 | 92.3 | 88.9 |
| 75° | 596.3 | 364.2 | 207.5 | 135.5 | 116.9 | 110.1 | 104.2 | 99.1 | 93.2 | 88.1 | 84.7 |
| 77.5° | 200.8 | 138.9 | 122.8 | 118.6 | 116.9 | 110.1 | 102.5 | 95.7 | 89.8 | 83.9 | 80.5 |
| 80° | 122.0 | 111.0 | 113.5 | 112.7 | 116.9 | 109.3 | 99.1 | 91.5 | 84.7 | 78.8 | 74.5 |
| 82.5° | 105.9 | 105.0 | 107.6 | 110.1 | 116.0 | 105.0 | 93.2 | 82.2 | 73.7 | 67.8 | 63.5 |
| 85° | 91.5 | 93.2 | 94.9 | 96.6 | 100.0 | 88.9 | 75.4 | 65.2 | 58.4 | 50.8 | 47.4 |
| 87.5° | 61.0 | 66.1 | 69.5 | 70.3 | 67.8 | 42.4 | 24.6 | 28.8 | 29.6 | 25.4 | 22.9 |
| 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: P141726

CATALOG NUMBER: ECM-F03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 |
| 2.5° | 667.5 | 666.6 | 669.2 | 666.6 | 666.6 |
| 5° | 659.0 | 658.2 | 658.2 | 658.2 | 656.5 |
| 7.5° | 672.6 | 671.7 | 670.9 | 670.9 | 670.0 |
| 10° | 698.8 | 698.0 | 698.0 | 697.1 | 697.1 |
| 12.5° | 730.2 | 726.8 | 725.9 | 724.2 | 725.1 |
| 15° | 760.7 | 751.4 | 748.8 | 746.3 | 743.7 |
| 17.5° | 784.4 | 773.4 | 767.5 | 762.4 | 762.4 |
| 20° | 814.0 | 799.6 | 792.0 | 784.4 | 784.4 |
| 22.5° | 847.9 | 828.4 | 818.3 | 809.8 | 806.4 |
| 25° | 875.9 | 851.3 | 836.9 | 826.7 | 824.2 |
| 27.5° | 897.1 | 865.7 | 847.1 | 835.2 | 831.8 |
| 30° | 914.0 | 878.4 | 856.4 | 843.7 | 838.6 |
| 32.5° | 925.0 | 886.0 | 862.3 | 849.6 | 844.5 |
| 35° | 919.1 | 877.6 | 848.8 | 833.5 | 830.1 |
| 37.5° | 889.4 | 845.4 | 811.5 | 795.4 | 789.5 |
| 40° | 835.2 | 787.8 | 752.2 | 732.7 | 729.3 |
| 42.5° | 764.1 | 716.6 | 682.7 | 662.4 | 653.1 |
| 45° | 687.8 | 638.7 | 606.5 | 587.9 | 576.9 |
| 47.5° | 605.7 | 557.4 | 524.3 | 505.7 | 498.1 |
| 50° | 519.3 | 472.7 | 444.7 | 424.4 | 416.8 |
| 52.5° | 429.5 | 388.0 | 360.0 | 343.1 | 334.6 |
| 55° | 343.9 | 310.0 | 286.3 | 275.3 | 269.4 |
| 57.5° | 268.5 | 246.5 | 232.9 | 226.2 | 221.9 |
| 60° | 208.4 | 197.4 | 192.3 | 187.2 | 188.1 |
| 62.5° | 162.6 | 160.1 | 158.4 | 155.9 | 156.7 |
| 65° | 131.3 | 129.6 | 130.4 | 129.6 | 130.4 |
| 67.5° | 107.6 | 108.4 | 110.1 | 110.1 | 111.0 |
| 70° | 94.9 | 95.7 | 97.4 | 97.4 | 97.4 |
| 72.5° | 88.1 | 89.8 | 91.5 | 90.6 | 90.6 |
| 75° | 83.0 | 87.2 | 90.6 | 87.2 | 83.9 |
| 77.5° | 77.9 | 88.1 | 97.4 | 89.8 | 80.5 |
| 80° | 71.2 | 93.2 | 104.2 | 90.6 | 77.1 |
| 82.5° | 67.8 | 89.8 | 91.5 | 78.8 | 67.8 |
| 85° | 62.7 | 101.6 | 105.9 | 72.0 | 51.7 |
| 87.5° | 32.2 | 61.0 | 70.3 | 48.3 | 26.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)