

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: P181453

Luminaire Tested: **ICM-F04-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181453
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F04-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8652.2 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

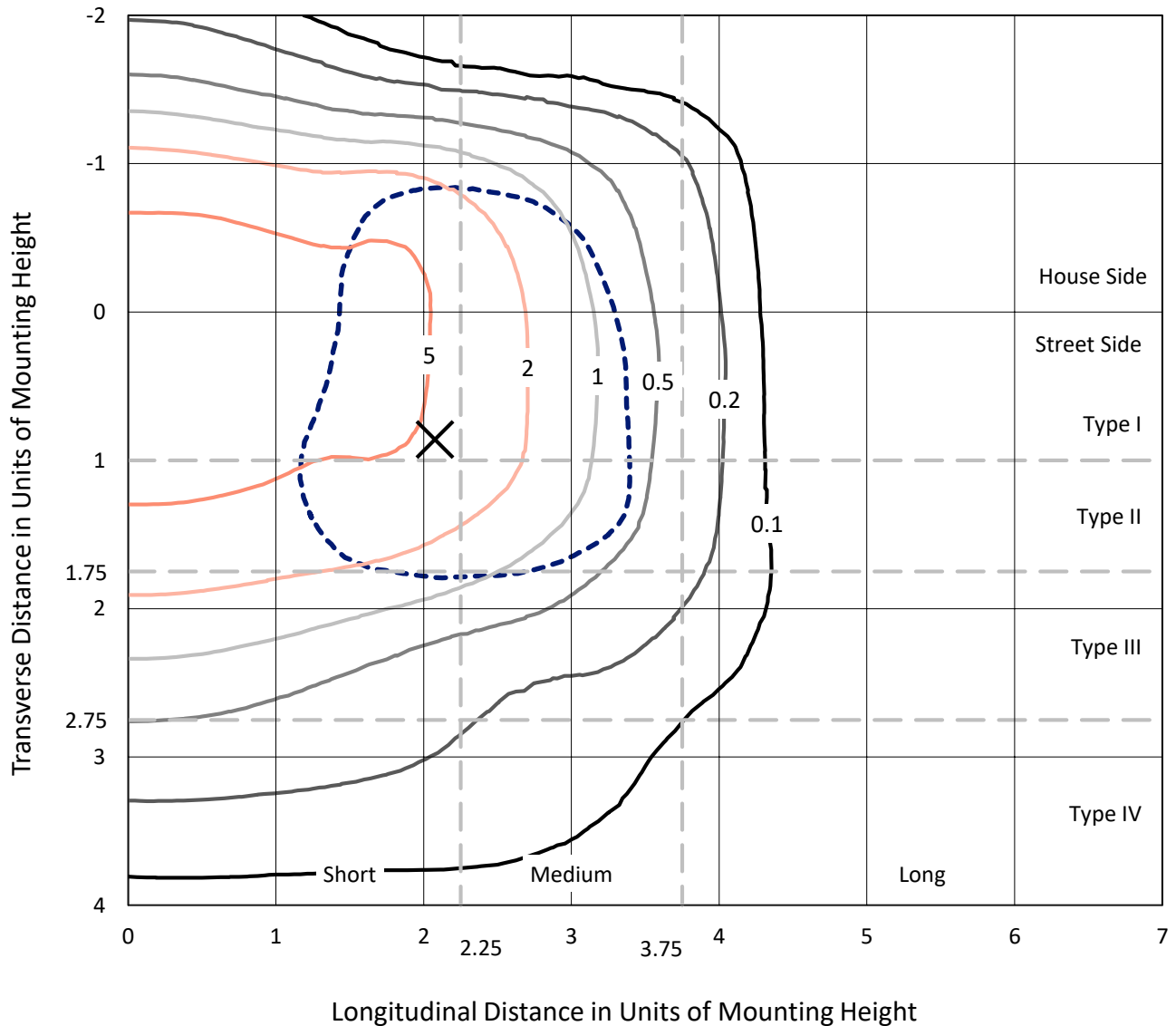
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

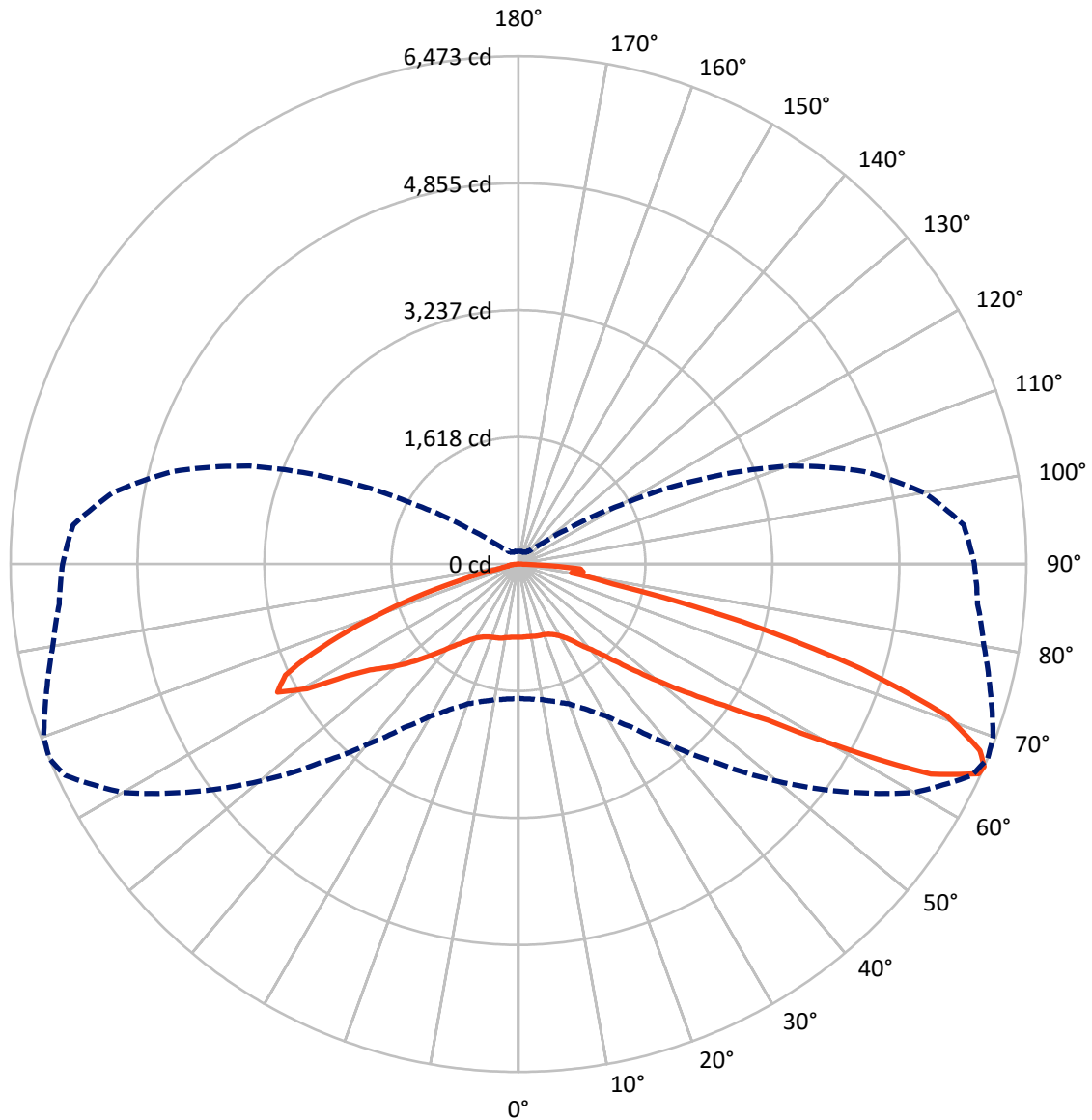


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - Semi-Cutoff

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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 | 2987.9 | 0.0 | 2987.9 |
| | % Fixture | 34.5 | 0.0 | 34.5 |
| Street Side | Lumens | 5664.3 | 0.0 | 5664.3 |
| | % Fixture | 65.5 | 0.0 | 65.5 |
| Total | Lumens | 8652.2 | 0.0 | 8652.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 1.0 |
| 10°-20° | 263.6 | 3.0 |
| 20°-30° | 453.0 | 5.2 |
| 30°-40° | 735.5 | 8.5 |
| 40°-50° | 1227.9 | 14.2 |
| 50°-60° | 1933.5 | 22.3 |
| 60°-70° | 2636.5 | 30.5 |
| 70°-80° | 1141.3 | 13.2 |
| 80°-90° | 171.6 | 2.0 |
| 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° | 8652.2 | 100.0 |
| 0°-180° | 8652.2 | 100.0 |

Coefficient of Utilization



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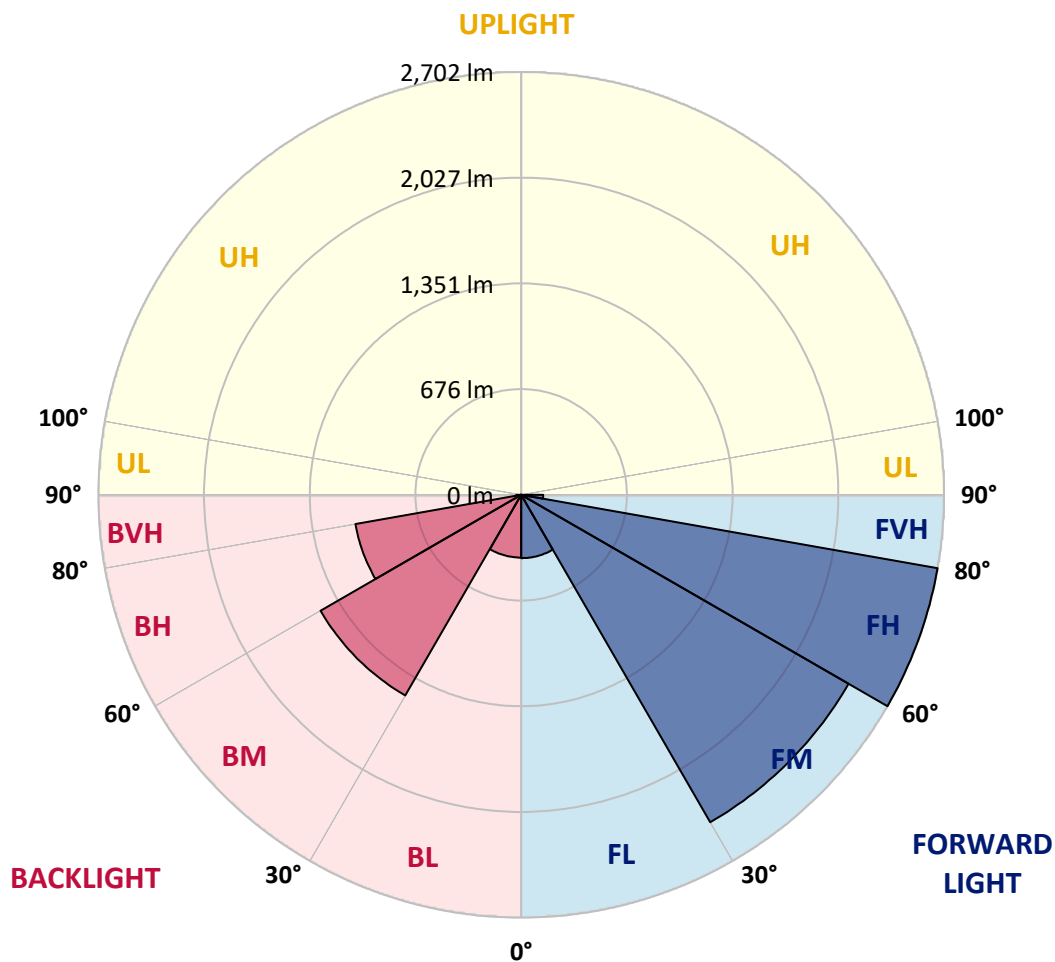
CATALOG NUMBER: ICM-F04-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 404.8 | 4.7 | | | |
| FM | (30°-60°) | 2416.3 | 27.9 | | | |
| FH | (60°-80°) | 2702.4 | 31.2 | | | G2/5000 |
| FVH | (80°-90°) | 140.9 | 1.6 | | | G2/225 |
| BL | (0°-30°) | 401.1 | 4.6 | B1/500 | | |
| BM | (30°-60°) | 1480.6 | 17.1 | B2/2500 | | |
| BH | (60°-80°) | 1075.5 | 12.4 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 30.7 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 |
| 2.5° | 936.1 | 939.9 | 936.1 | 937.0 | 938.0 | 937.0 | 936.1 | 936.1 | 933.3 | 935.2 | 937.0 |
| 5° | 932.4 | 935.2 | 934.2 | 935.2 | 936.1 | 935.2 | 934.2 | 935.2 | 933.3 | 934.2 | 937.0 |
| 7.5° | 927.7 | 926.8 | 927.7 | 929.6 | 931.4 | 931.4 | 931.4 | 932.4 | 931.4 | 931.4 | 934.2 |
| 10° | 913.7 | 914.6 | 916.5 | 919.3 | 920.2 | 923.1 | 923.1 | 925.9 | 926.8 | 928.7 | 932.4 |
| 12.5° | 895.9 | 896.8 | 898.7 | 900.6 | 905.3 | 910.0 | 910.0 | 916.5 | 919.3 | 924.0 | 930.5 |
| 15° | 882.8 | 883.7 | 885.6 | 887.5 | 891.3 | 895.9 | 898.7 | 906.2 | 910.9 | 919.3 | 928.7 |
| 17.5° | 890.3 | 889.4 | 891.3 | 892.2 | 892.2 | 895.9 | 895.9 | 901.5 | 907.2 | 914.6 | 926.8 |
| 20° | 911.8 | 911.8 | 913.7 | 913.7 | 912.7 | 914.6 | 910.9 | 910.9 | 911.8 | 915.5 | 924.0 |
| 22.5° | 933.3 | 932.4 | 936.1 | 938.0 | 938.9 | 941.8 | 938.0 | 937.0 | 932.4 | 929.6 | 932.4 |
| 25° | 953.9 | 952.9 | 957.7 | 960.5 | 965.1 | 967.9 | 967.9 | 967.9 | 964.2 | 959.5 | 956.7 |
| 27.5° | 985.7 | 985.7 | 990.3 | 993.2 | 996.9 | 1002.5 | 1005.3 | 1005.3 | 1006.2 | 999.7 | 995.1 |
| 30° | 1039.0 | 1039.9 | 1040.8 | 1044.6 | 1048.4 | 1050.2 | 1054.0 | 1056.8 | 1059.5 | 1055.8 | 1048.4 |
| 32.5° | 1102.6 | 1096.9 | 1096.9 | 1102.6 | 1107.3 | 1112.8 | 1114.7 | 1118.5 | 1124.1 | 1121.3 | 1120.4 |
| 35° | 1178.3 | 1176.5 | 1174.6 | 1176.5 | 1182.1 | 1188.7 | 1196.1 | 1202.6 | 1198.9 | 1204.6 | 1201.7 |
| 37.5° | 1290.5 | 1292.5 | 1293.4 | 1293.4 | 1292.5 | 1294.3 | 1298.1 | 1304.6 | 1302.7 | 1304.6 | 1308.3 |
| 40° | 1475.7 | 1469.2 | 1462.6 | 1463.5 | 1454.2 | 1456.1 | 1441.1 | 1447.6 | 1448.6 | 1442.1 | 1444.8 |
| 42.5° | 1660.9 | 1664.7 | 1667.5 | 1674.9 | 1668.4 | 1664.7 | 1650.6 | 1650.6 | 1643.2 | 1636.6 | 1634.7 |
| 45° | 1861.0 | 1868.5 | 1869.4 | 1884.4 | 1878.8 | 1891.0 | 1901.2 | 1898.4 | 1886.2 | 1885.3 | 1872.3 |
| 47.5° | 2020.9 | 2033.1 | 2046.2 | 2064.0 | 2078.0 | 2105.1 | 2136.9 | 2152.9 | 2162.2 | 2169.7 | 2154.7 |
| 50° | 2140.7 | 2146.2 | 2179.9 | 2208.0 | 2238.8 | 2283.7 | 2327.7 | 2384.8 | 2430.5 | 2452.1 | 2472.7 |
| 52.5° | 2205.2 | 2219.2 | 2255.6 | 2299.6 | 2353.9 | 2421.2 | 2492.3 | 2583.0 | 2661.6 | 2714.0 | 2760.7 |
| 55° | 2219.2 | 2233.2 | 2274.3 | 2330.5 | 2404.4 | 2495.1 | 2597.0 | 2720.5 | 2838.3 | 2939.3 | 3037.5 |
| 57.5° | 2179.9 | 2195.8 | 2239.8 | 2304.3 | 2391.3 | 2501.6 | 2629.8 | 2791.6 | 2954.3 | 3118.0 | 3262.9 |
| 60° | 2107.9 | 2127.5 | 2167.7 | 2231.4 | 2327.7 | 2452.1 | 2605.4 | 2808.4 | 3036.6 | 3287.2 | 3565.0 |
| 62.5° | 1989.1 | 2009.7 | 2047.2 | 2117.3 | 2216.4 | 2353.9 | 2531.6 | 2784.1 | 3106.7 | 3501.3 | 3994.2 |
| 65° | 1798.3 | 1807.7 | 1853.6 | 1924.7 | 2012.6 | 2164.0 | 2359.5 | 2664.4 | 3084.3 | 3633.2 | 4312.2 |
| 66° | 1712.3 | 1728.2 | 1756.3 | 1813.3 | 1897.5 | 2039.6 | 2236.0 | 2545.6 | 2999.2 | 3587.4 | 4303.7 |
| 67.5° | 1577.7 | 1589.9 | 1608.6 | 1646.9 | 1698.3 | 1803.1 | 1989.1 | 2281.9 | 2739.2 | 3355.5 | 4125.1 |
| 70° | 1275.6 | 1281.2 | 1306.4 | 1319.5 | 1337.3 | 1371.9 | 1439.3 | 1607.6 | 1963.9 | 2542.8 | 3329.3 |
| 72.5° | 869.8 | 885.6 | 912.7 | 950.1 | 998.8 | 1045.6 | 1077.3 | 1098.9 | 1175.5 | 1516.8 | 2218.2 |
| 75° | 637.8 | 654.6 | 689.2 | 738.8 | 823.9 | 921.1 | 1022.1 | 1068.9 | 1037.1 | 993.2 | 1235.4 |
| 77.5° | 370.3 | 392.7 | 421.8 | 469.5 | 548.0 | 677.1 | 850.1 | 1003.4 | 1107.3 | 1113.8 | 1057.7 |
| 80° | 156.2 | 159.0 | 176.7 | 201.0 | 249.7 | 340.4 | 475.1 | 695.8 | 925.9 | 1081.1 | 1117.6 |
| 82.5° | 35.5 | 44.0 | 56.1 | 66.4 | 81.4 | 112.2 | 166.4 | 276.8 | 500.3 | 784.7 | 1023.1 |
| 85° | 13.1 | 13.1 | 17.8 | 26.1 | 30.0 | 33.7 | 44.0 | 70.1 | 119.7 | 220.7 | 460.1 |
| 87.5° | 0.0 | 0.9 | 1.9 | 1.9 | 3.7 | 4.7 | 7.4 | 10.3 | 9.4 | 8.4 | 28.1 |
| 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: ICM-F04-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 |
| 2.5° | 935.2 | 934.2 | 932.4 | 932.4 | 932.4 | 932.4 | 930.5 | 931.4 | 929.6 | 930.5 | 930.5 |
| 5° | 934.2 | 934.2 | 933.3 | 931.4 | 932.4 | 932.4 | 933.3 | 931.4 | 931.4 | 932.4 | 931.4 |
| 7.5° | 934.2 | 933.3 | 933.3 | 933.3 | 934.2 | 933.3 | 934.2 | 934.2 | 934.2 | 935.2 | 935.2 |
| 10° | 934.2 | 934.2 | 936.1 | 937.0 | 937.0 | 938.0 | 940.8 | 940.8 | 941.8 | 942.7 | 944.6 |
| 12.5° | 935.2 | 938.9 | 941.8 | 944.6 | 945.5 | 947.4 | 952.0 | 952.0 | 953.9 | 956.7 | 957.7 |
| 15° | 936.1 | 941.8 | 947.4 | 949.2 | 951.1 | 954.8 | 959.5 | 961.4 | 964.2 | 967.0 | 968.8 |
| 17.5° | 935.2 | 942.7 | 949.2 | 952.0 | 954.8 | 959.5 | 965.1 | 967.0 | 970.7 | 974.4 | 978.2 |
| 20° | 934.2 | 944.6 | 954.8 | 958.6 | 962.3 | 968.8 | 976.4 | 981.0 | 984.8 | 990.3 | 994.1 |
| 22.5° | 939.9 | 952.0 | 966.1 | 971.6 | 978.2 | 986.6 | 996.9 | 1002.5 | 1007.2 | 1012.8 | 1015.6 |
| 25° | 957.7 | 967.0 | 983.8 | 993.2 | 1001.6 | 1015.6 | 1029.7 | 1036.2 | 1041.8 | 1046.5 | 1047.4 |
| 27.5° | 987.5 | 990.3 | 1011.0 | 1023.1 | 1035.3 | 1057.7 | 1074.5 | 1079.2 | 1089.5 | 1093.2 | 1092.3 |
| 30° | 1036.2 | 1031.5 | 1048.4 | 1067.1 | 1084.8 | 1115.7 | 1136.3 | 1148.4 | 1157.8 | 1157.8 | 1150.2 |
| 32.5° | 1106.3 | 1098.9 | 1103.5 | 1125.0 | 1145.6 | 1190.5 | 1214.8 | 1230.7 | 1237.2 | 1235.4 | 1219.4 |
| 35° | 1198.0 | 1193.3 | 1190.5 | 1207.4 | 1240.1 | 1292.5 | 1324.2 | 1332.7 | 1342.9 | 1341.0 | 1320.5 |
| 37.5° | 1306.4 | 1302.7 | 1302.7 | 1322.3 | 1354.1 | 1431.8 | 1466.3 | 1472.0 | 1471.1 | 1456.1 | 1417.8 |
| 40° | 1434.6 | 1432.8 | 1424.3 | 1435.5 | 1462.6 | 1563.6 | 1610.4 | 1617.9 | 1607.6 | 1583.3 | 1538.4 |
| 42.5° | 1618.8 | 1607.6 | 1581.4 | 1587.9 | 1608.6 | 1706.7 | 1767.5 | 1788.1 | 1777.8 | 1753.5 | 1680.6 |
| 45° | 1859.2 | 1847.0 | 1803.1 | 1797.4 | 1808.7 | 1894.7 | 1973.2 | 1978.0 | 1976.1 | 1945.2 | 1859.2 |
| 47.5° | 2141.6 | 2122.9 | 2076.1 | 2061.1 | 2057.4 | 2136.9 | 2212.7 | 2220.1 | 2215.5 | 2169.7 | 2054.6 |
| 50° | 2447.4 | 2420.3 | 2389.4 | 2379.1 | 2364.2 | 2421.2 | 2497.9 | 2498.8 | 2480.1 | 2416.6 | 2308.9 |
| 52.5° | 2773.8 | 2764.4 | 2758.8 | 2748.5 | 2742.0 | 2791.6 | 2838.3 | 2810.2 | 2782.2 | 2715.8 | 2622.2 |
| 55° | 3103.0 | 3141.3 | 3180.6 | 3184.3 | 3195.6 | 3248.9 | 3247.9 | 3171.3 | 3150.6 | 3114.2 | 3021.6 |
| 57.5° | 3452.8 | 3594.9 | 3718.3 | 3756.7 | 3794.1 | 3893.2 | 3883.8 | 3808.1 | 3781.9 | 3737.0 | 3660.3 |
| 60° | 3928.8 | 4312.2 | 4668.5 | 4753.6 | 4812.5 | 4931.3 | 4920.0 | 4803.1 | 4857.4 | 4853.6 | 4754.5 |
| 62.5° | 4595.6 | 5233.3 | 5767.3 | 5898.3 | 5939.4 | 5952.5 | 5881.4 | 5755.2 | 5808.5 | 5868.3 | 5563.5 |
| 65° | 5047.2 | 5797.2 | 6345.2 | 6446.3 | 6451.9 | 6295.7 | 6137.6 | 5989.0 | 5975.9 | 5924.4 | 5488.7 |
| 66° | 5057.5 | 5825.3 | 6375.2 | 6473.4 | 6438.8 | 6225.5 | 6025.4 | 5875.8 | 5811.3 | 5698.1 | 5246.5 |
| 67.5° | 4876.1 | 5650.5 | 6242.4 | 6346.2 | 6270.5 | 5968.4 | 5692.5 | 5499.8 | 5373.6 | 5190.4 | 4791.9 |
| 70° | 4095.2 | 4863.0 | 5592.4 | 5786.0 | 5810.4 | 5359.6 | 4977.1 | 4750.7 | 4580.6 | 4329.0 | 3985.8 |
| 72.5° | 3044.9 | 3738.9 | 4382.4 | 4567.5 | 4661.9 | 4301.9 | 3979.3 | 3807.2 | 3574.3 | 3309.6 | 3065.6 |
| 75° | 1908.8 | 2398.8 | 2829.9 | 2959.9 | 2871.0 | 2592.4 | 2398.8 | 2326.7 | 2097.6 | 1939.5 | 1828.3 |
| 77.5° | 1091.4 | 1244.8 | 1279.4 | 1229.8 | 1125.0 | 861.3 | 612.6 | 453.6 | 393.7 | 435.8 | 480.7 |
| 80° | 1065.2 | 976.4 | 778.1 | 684.6 | 620.0 | 426.4 | 250.6 | 172.1 | 143.1 | 146.8 | 159.0 |
| 82.5° | 1154.1 | 1238.1 | 1019.4 | 831.4 | 697.7 | 471.4 | 260.0 | 138.4 | 93.5 | 110.3 | 124.4 |
| 85° | 750.1 | 1043.6 | 939.9 | 792.1 | 641.6 | 403.1 | 214.1 | 72.0 | 47.7 | 62.7 | 86.0 |
| 87.5° | 75.7 | 83.3 | 71.1 | 96.3 | 72.0 | 33.7 | 16.8 | 10.3 | 9.4 | 11.3 | 16.8 |
| 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: ICM-F04-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 | 932.4 |
| 2.5° | 931.4 | 931.4 | 932.4 | 933.3 | 934.2 | 935.2 | 935.2 | 935.2 | 935.2 | 937.0 | 936.1 |
| 5° | 933.3 | 935.2 | 937.0 | 938.0 | 939.9 | 939.9 | 942.7 | 941.8 | 941.8 | 944.6 | 945.5 |
| 7.5° | 937.0 | 939.9 | 943.6 | 942.7 | 946.4 | 945.5 | 947.4 | 947.4 | 944.6 | 945.5 | 943.6 |
| 10° | 945.5 | 949.2 | 951.1 | 948.3 | 949.2 | 945.5 | 944.6 | 939.9 | 934.2 | 931.4 | 927.7 |
| 12.5° | 959.5 | 963.3 | 963.3 | 958.6 | 952.9 | 944.6 | 938.0 | 927.7 | 919.3 | 914.6 | 910.0 |
| 15° | 971.6 | 975.4 | 974.4 | 967.0 | 958.6 | 945.5 | 936.1 | 924.0 | 911.8 | 904.3 | 899.6 |
| 17.5° | 981.0 | 982.9 | 980.1 | 969.8 | 960.5 | 948.3 | 938.9 | 925.9 | 911.8 | 902.4 | 894.1 |
| 20° | 995.1 | 993.2 | 986.6 | 973.5 | 963.3 | 952.0 | 944.6 | 933.3 | 917.4 | 905.3 | 893.1 |
| 22.5° | 1015.6 | 1008.1 | 996.0 | 982.0 | 971.6 | 961.4 | 953.9 | 941.8 | 925.9 | 910.9 | 896.8 |
| 25° | 1042.7 | 1027.8 | 1011.0 | 996.0 | 986.6 | 975.4 | 967.0 | 953.9 | 937.0 | 920.2 | 903.4 |
| 27.5° | 1082.1 | 1055.8 | 1034.3 | 1021.2 | 1011.0 | 996.9 | 986.6 | 969.8 | 952.0 | 932.4 | 913.7 |
| 30° | 1126.0 | 1090.4 | 1069.9 | 1059.5 | 1048.4 | 1033.4 | 1017.5 | 996.0 | 975.4 | 953.9 | 931.4 |
| 32.5° | 1183.0 | 1140.0 | 1120.4 | 1110.1 | 1095.1 | 1076.4 | 1057.7 | 1033.4 | 1004.4 | 976.4 | 949.2 |
| 35° | 1257.9 | 1213.9 | 1193.3 | 1177.4 | 1156.8 | 1132.5 | 1105.4 | 1072.7 | 1033.4 | 996.0 | 961.4 |
| 37.5° | 1338.2 | 1290.5 | 1270.9 | 1254.1 | 1223.3 | 1191.4 | 1153.1 | 1105.4 | 1052.1 | 1002.5 | 959.5 |
| 40° | 1440.2 | 1396.2 | 1371.0 | 1342.0 | 1305.5 | 1250.3 | 1190.5 | 1121.3 | 1053.0 | 992.2 | 941.8 |
| 42.5° | 1569.2 | 1525.3 | 1487.9 | 1442.1 | 1378.4 | 1293.4 | 1208.3 | 1118.5 | 1036.2 | 967.0 | 912.7 |
| 45° | 1740.4 | 1687.1 | 1622.5 | 1542.1 | 1439.3 | 1320.5 | 1209.2 | 1100.8 | 1004.4 | 927.7 | 869.8 |
| 47.5° | 1949.9 | 1868.5 | 1762.8 | 1627.3 | 1479.5 | 1328.0 | 1194.2 | 1065.2 | 954.8 | 871.6 | 807.1 |
| 50° | 2198.6 | 2070.5 | 1896.6 | 1697.4 | 1500.0 | 1316.8 | 1156.8 | 1011.9 | 884.7 | 795.8 | 719.2 |
| 52.5° | 2482.9 | 2273.4 | 2017.2 | 1747.9 | 1499.1 | 1279.4 | 1093.2 | 931.4 | 793.0 | 694.0 | 620.9 |
| 55° | 2816.8 | 2505.4 | 2141.6 | 1785.3 | 1472.9 | 1210.1 | 996.0 | 818.3 | 679.9 | 588.2 | 520.9 |
| 57.5° | 3305.9 | 2881.3 | 2358.5 | 1843.3 | 1420.6 | 1103.5 | 864.1 | 682.7 | 561.1 | 474.1 | 417.1 |
| 60° | 4199.9 | 3508.9 | 2749.5 | 1960.2 | 1340.1 | 947.4 | 709.8 | 537.8 | 435.8 | 365.7 | 327.4 |
| 62.5° | 4873.2 | 3994.2 | 2960.9 | 1934.0 | 1178.3 | 754.7 | 526.5 | 391.8 | 320.7 | 273.1 | 248.7 |
| 65° | 4777.0 | 3843.7 | 2735.5 | 1665.6 | 924.0 | 532.1 | 349.8 | 266.5 | 220.7 | 198.2 | 184.2 |
| 66° | 4559.1 | 3647.3 | 2540.0 | 1499.1 | 798.6 | 442.3 | 288.0 | 223.5 | 189.9 | 174.0 | 164.6 |
| 67.5° | 4145.7 | 3282.5 | 2190.2 | 1228.8 | 613.5 | 320.7 | 216.9 | 176.7 | 154.3 | 147.7 | 141.2 |
| 70° | 3446.2 | 2617.6 | 1537.5 | 715.4 | 313.3 | 178.6 | 137.5 | 123.4 | 117.9 | 116.9 | 115.1 |
| 72.5° | 2640.9 | 1852.6 | 905.3 | 338.5 | 162.7 | 118.8 | 106.6 | 102.0 | 100.1 | 100.1 | 101.0 |
| 75° | 1618.8 | 1040.8 | 400.3 | 165.5 | 114.0 | 100.1 | 94.4 | 92.6 | 91.6 | 92.6 | 91.6 |
| 77.5° | 540.6 | 331.1 | 171.2 | 125.3 | 103.8 | 92.6 | 88.8 | 87.0 | 87.0 | 87.0 | 87.0 |
| 80° | 165.5 | 144.0 | 130.9 | 116.0 | 98.2 | 87.9 | 82.3 | 81.4 | 82.3 | 83.3 | 80.5 |
| 82.5° | 124.4 | 117.9 | 110.3 | 102.9 | 88.8 | 78.5 | 76.7 | 76.7 | 76.7 | 73.9 | 70.1 |
| 85° | 91.6 | 90.7 | 74.8 | 70.1 | 65.5 | 65.5 | 65.5 | 65.5 | 62.7 | 58.0 | 54.2 |
| 87.5° | 16.8 | 15.9 | 16.8 | 17.8 | 26.1 | 28.1 | 28.1 | 30.0 | 32.7 | 30.9 | 30.9 |
| 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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| 50° | 666.8 | 625.7 | 606.1 | 592.9 | 595.7 |
| 52.5° | 573.3 | 535.9 | 517.1 | 510.6 | 508.7 |
| 55° | 475.1 | 446.0 | 433.0 | 425.5 | 422.7 |
| 57.5° | 385.3 | 364.7 | 355.4 | 346.0 | 347.0 |
| 60° | 303.9 | 293.7 | 290.9 | 280.6 | 279.6 |
| 62.5° | 239.4 | 232.8 | 230.0 | 222.6 | 223.5 |
| 65° | 181.4 | 179.5 | 181.4 | 176.7 | 178.6 |
| 66° | 163.6 | 164.6 | 164.6 | 161.8 | 163.6 |
| 67.5° | 141.2 | 143.1 | 145.9 | 143.1 | 144.9 |
| 70° | 116.9 | 118.8 | 120.7 | 120.7 | 120.7 |
| 72.5° | 102.0 | 103.8 | 104.7 | 104.7 | 104.7 |
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| 80° | 79.5 | 78.5 | 75.7 | 73.9 | 73.9 |
| 82.5° | 66.4 | 64.6 | 62.7 | 59.8 | 59.8 |
| 85° | 50.5 | 48.7 | 46.8 | 43.0 | 41.1 |
| 87.5° | 26.1 | 27.2 | 26.1 | 21.5 | 18.7 |
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