

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: P141936

Luminaire Tested: **EMM-F04-LED-E1-T3-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141936
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33683)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-F04-LED-E1-T3-7050
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9948.9 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

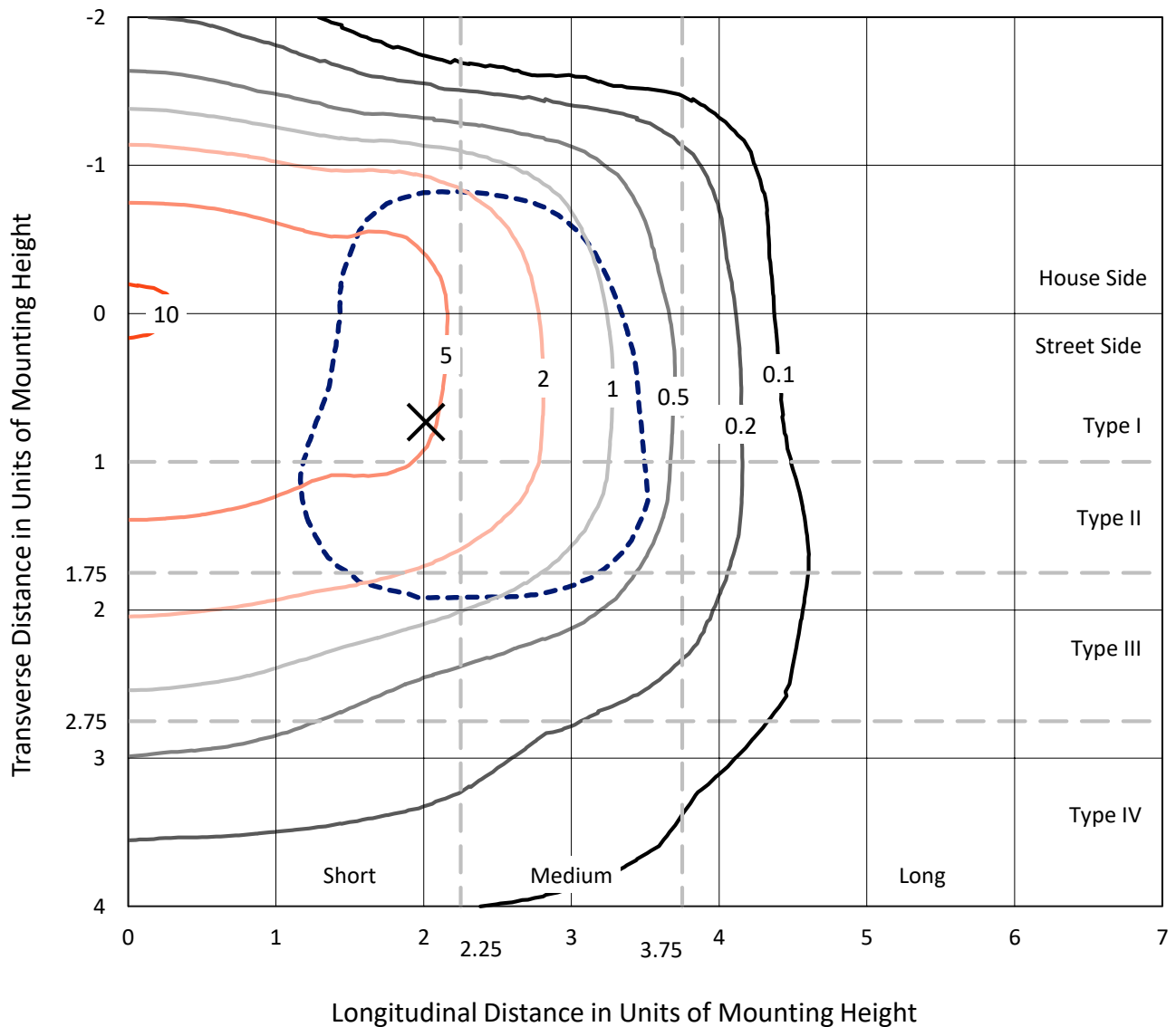
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

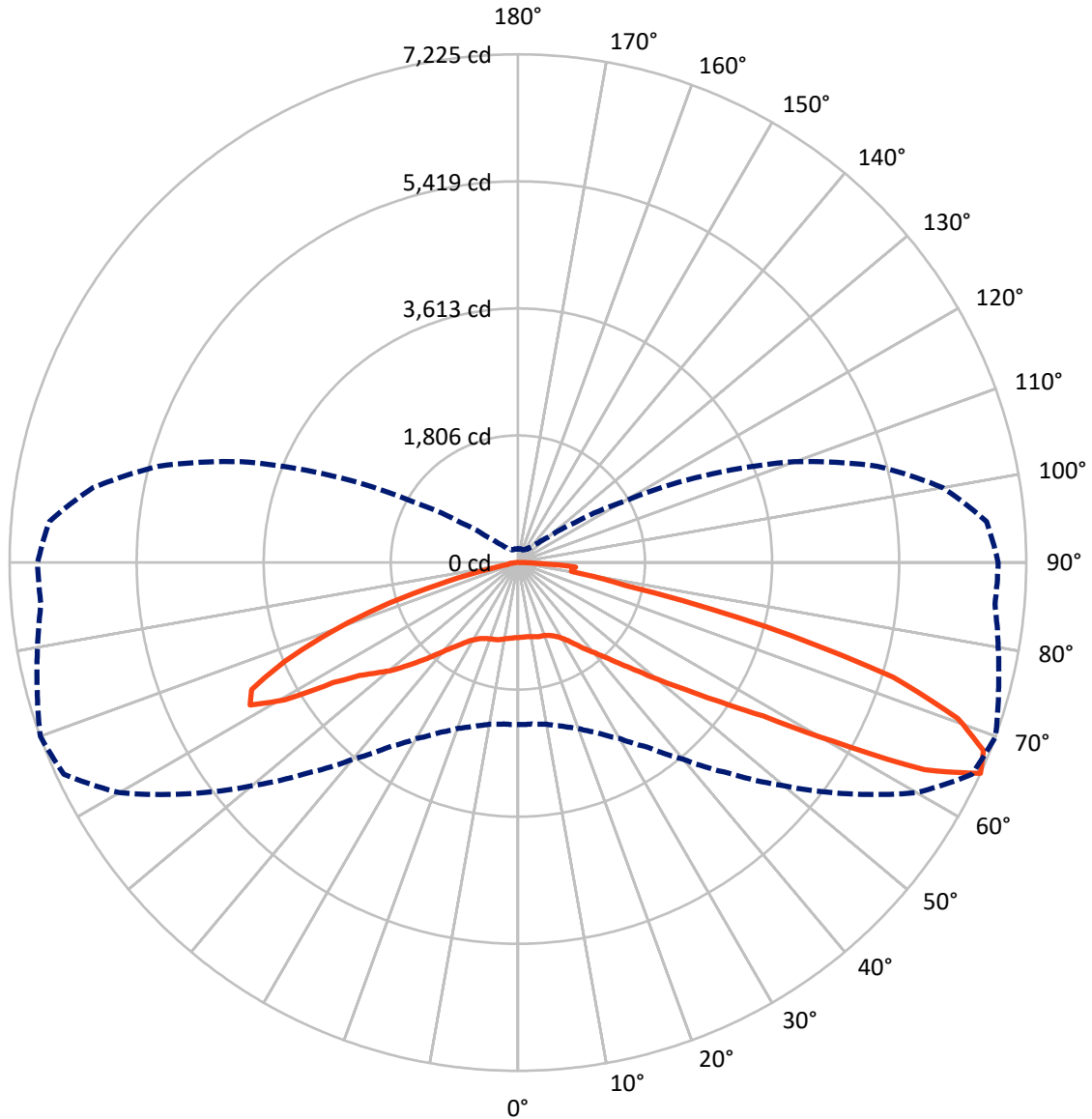
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3358.5 | 0.0 | 3358.5 |
| | % Fixture | 33.8 | 0.0 | 33.8 |
| Street Side | Lumens | 6590.4 | 0.0 | 6590.4 |
| | % Fixture | 66.2 | 0.0 | 66.2 |
| Total | Lumens | 9948.9 | 0.0 | 9948.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.6 | 1.0 |
| 10°-20° | 304.0 | 3.1 |
| 20°-30° | 522.6 | 5.3 |
| 30°-40° | 837.7 | 8.4 |
| 40°-50° | 1371.5 | 13.8 |
| 50°-60° | 2146.7 | 21.6 |
| 60°-70° | 3016.9 | 30.3 |
| 70°-80° | 1427.7 | 14.4 |
| 80°-90° | 219.3 | 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° | 9948.9 | 100.0 |
| 0°-180° | 9948.9 | 100.0 |



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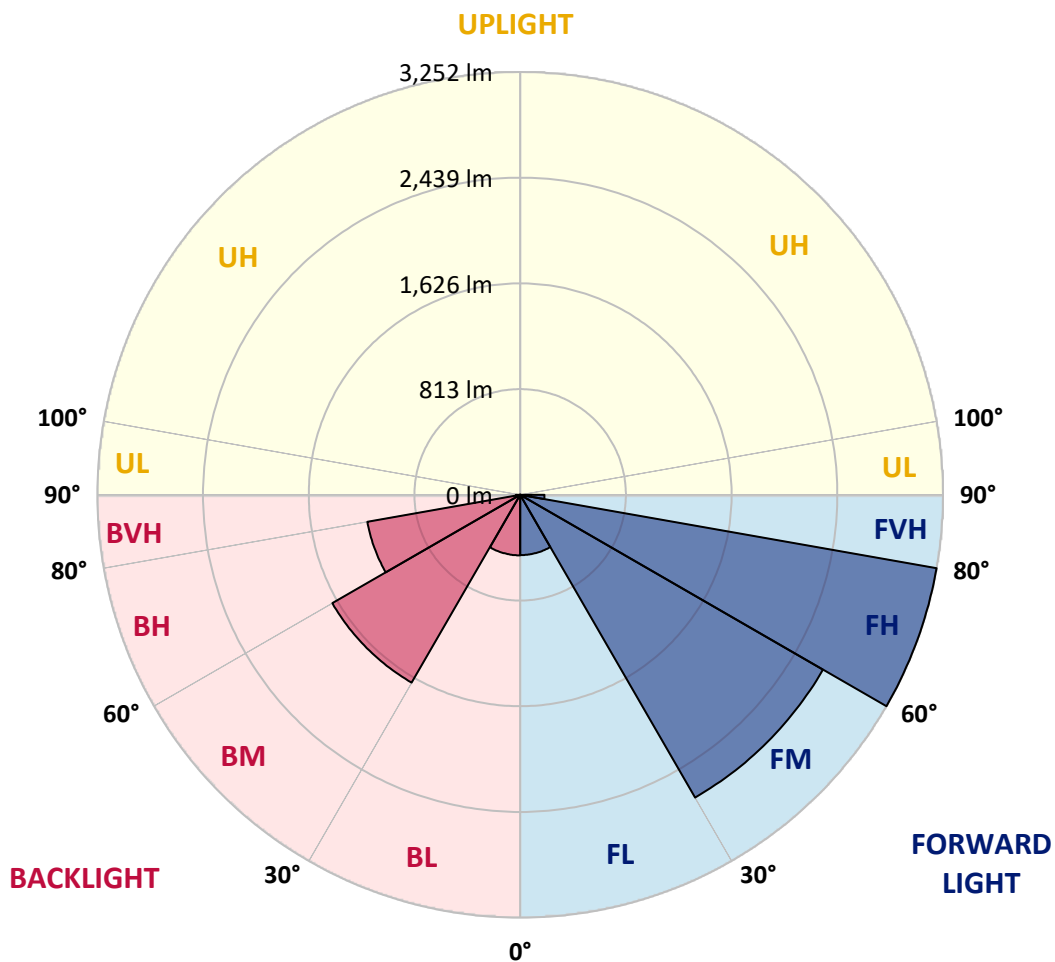
CATALOG NUMBER: EMM-F04-LED-E1-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 463.5 | 4.7 | | | |
| FM (30°-60°) | 2688.4 | 27.0 | | | |
| FH (60°-80°) | 3251.5 | 32.7 | | | G2/5000 |
| FVH (80°-90°) | 186.9 | 1.9 | | | G2/225 |
| BL (0°-30°) | 465.7 | 4.7 | B1/500 | | |
| BM (30°-60°) | 1667.4 | 16.8 | B2/2500 | | |
| BH (60°-80°) | 1193.0 | 12.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 32.4 | 0.3 | | | 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° | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 |
| 2.5° | 1060.5 | 1061.7 | 1061.7 | 1059.4 | 1059.4 | 1060.5 | 1060.5 | 1061.7 | 1061.7 | 1061.7 | 1062.8 |
| 5° | 1060.5 | 1061.7 | 1061.7 | 1060.5 | 1059.4 | 1061.7 | 1060.5 | 1061.7 | 1061.7 | 1061.7 | 1061.7 |
| 7.5° | 1058.3 | 1059.4 | 1059.4 | 1058.3 | 1059.4 | 1060.5 | 1060.5 | 1062.8 | 1063.9 | 1063.9 | 1065.1 |
| 10° | 1047.0 | 1048.1 | 1049.2 | 1049.2 | 1051.5 | 1054.9 | 1056.0 | 1060.5 | 1061.7 | 1065.1 | 1067.3 |
| 12.5° | 1026.7 | 1026.7 | 1028.9 | 1031.2 | 1034.6 | 1041.3 | 1044.7 | 1051.5 | 1057.2 | 1061.7 | 1069.6 |
| 15° | 1008.6 | 1008.6 | 1010.8 | 1012.0 | 1018.7 | 1023.3 | 1030.0 | 1037.9 | 1048.1 | 1057.2 | 1069.6 |
| 17.5° | 1017.6 | 1017.6 | 1016.5 | 1015.4 | 1016.5 | 1016.5 | 1022.1 | 1030.0 | 1039.1 | 1051.5 | 1067.3 |
| 20° | 1052.6 | 1051.5 | 1047.0 | 1044.7 | 1043.6 | 1039.1 | 1035.7 | 1034.6 | 1039.1 | 1048.1 | 1063.9 |
| 22.5° | 1083.1 | 1080.9 | 1079.7 | 1077.5 | 1080.9 | 1078.6 | 1074.1 | 1068.4 | 1061.7 | 1058.3 | 1067.3 |
| 25° | 1101.2 | 1102.3 | 1102.3 | 1102.3 | 1109.1 | 1111.4 | 1113.6 | 1106.8 | 1098.9 | 1087.6 | 1088.8 |
| 27.5° | 1126.0 | 1127.2 | 1124.9 | 1129.4 | 1137.3 | 1143.0 | 1148.6 | 1153.2 | 1148.6 | 1141.9 | 1134.0 |
| 30° | 1179.1 | 1179.1 | 1175.7 | 1179.1 | 1185.9 | 1191.6 | 1199.5 | 1207.4 | 1207.4 | 1200.6 | 1192.7 |
| 32.5° | 1234.5 | 1235.6 | 1235.6 | 1237.9 | 1248.0 | 1252.5 | 1263.8 | 1271.7 | 1277.4 | 1272.9 | 1277.4 |
| 35° | 1301.1 | 1300.0 | 1303.4 | 1304.5 | 1320.3 | 1326.0 | 1348.5 | 1354.2 | 1363.2 | 1365.5 | 1368.9 |
| 37.5° | 1411.8 | 1414.1 | 1407.3 | 1402.8 | 1416.3 | 1416.3 | 1445.7 | 1461.5 | 1459.2 | 1475.0 | 1486.3 |
| 40° | 1590.2 | 1580.1 | 1576.7 | 1574.4 | 1582.3 | 1581.2 | 1580.1 | 1601.5 | 1611.7 | 1614.0 | 1619.6 |
| 42.5° | 1787.9 | 1791.3 | 1787.9 | 1795.8 | 1795.8 | 1790.2 | 1785.6 | 1782.2 | 1801.4 | 1813.9 | 1816.1 |
| 45° | 2019.4 | 2023.9 | 2017.2 | 2011.5 | 2026.2 | 2034.1 | 2034.1 | 2043.1 | 2059.0 | 2064.6 | 2061.2 |
| 47.5° | 2204.7 | 2217.1 | 2211.4 | 2219.3 | 2243.1 | 2270.2 | 2306.3 | 2330.0 | 2347.0 | 2362.8 | 2387.6 |
| 50° | 2371.8 | 2377.5 | 2391.0 | 2417.0 | 2452.0 | 2494.9 | 2553.7 | 2612.4 | 2646.3 | 2685.8 | 2715.2 |
| 52.5° | 2473.5 | 2490.4 | 2510.7 | 2553.7 | 2612.4 | 2672.2 | 2762.6 | 2858.6 | 2944.4 | 2988.5 | 3023.5 |
| 55° | 2534.5 | 2546.9 | 2574.0 | 2632.7 | 2715.2 | 2804.4 | 2917.3 | 3049.5 | 3163.5 | 3260.7 | 3336.3 |
| 57.5° | 2532.2 | 2542.4 | 2579.6 | 2644.0 | 2742.3 | 2854.1 | 2995.3 | 3160.2 | 3328.4 | 3490.0 | 3632.3 |
| 60° | 2483.6 | 2492.7 | 2529.9 | 2598.8 | 2706.1 | 2839.4 | 3008.8 | 3211.0 | 3439.1 | 3682.0 | 3931.6 |
| 62.5° | 2409.1 | 2415.9 | 2448.6 | 2517.5 | 2625.9 | 2768.2 | 2967.0 | 3232.4 | 3556.6 | 3939.5 | 4424.0 |
| 65° | 2304.0 | 2304.0 | 2334.5 | 2405.7 | 2509.6 | 2668.9 | 2888.0 | 3199.7 | 3648.1 | 4230.9 | 4935.6 |
| 67.5° | 2149.3 | 2149.3 | 2174.2 | 2232.9 | 2314.2 | 2424.9 | 2644.0 | 2968.2 | 3441.4 | 4139.4 | 4963.9 |
| 70° | 1856.8 | 1861.3 | 1861.3 | 1897.4 | 1933.6 | 1983.3 | 2087.2 | 2335.7 | 2779.5 | 3461.7 | 4272.6 |
| 72.5° | 1361.0 | 1278.5 | 1342.9 | 1401.6 | 1442.3 | 1469.4 | 1529.3 | 1607.2 | 1830.8 | 2342.4 | 3076.6 |
| 75° | 857.2 | 878.7 | 927.3 | 993.9 | 1094.4 | 1198.3 | 1312.4 | 1361.0 | 1340.6 | 1401.6 | 1895.2 |
| 77.5° | 519.5 | 501.5 | 548.9 | 648.3 | 761.2 | 902.4 | 1115.9 | 1301.1 | 1407.3 | 1400.5 | 1341.8 |
| 80° | 224.8 | 219.1 | 250.7 | 298.2 | 353.5 | 481.1 | 676.5 | 930.7 | 1213.0 | 1376.8 | 1351.9 |
| 82.5° | 80.2 | 81.3 | 102.8 | 122.0 | 146.8 | 188.6 | 267.7 | 428.1 | 678.8 | 966.8 | 1194.9 |
| 85° | 23.7 | 26.0 | 36.1 | 50.8 | 57.6 | 65.5 | 90.4 | 134.4 | 229.3 | 365.9 | 650.6 |
| 87.5° | 6.8 | 7.9 | 10.2 | 18.1 | 16.9 | 15.8 | 18.1 | 28.2 | 21.5 | 18.1 | 90.4 |
| 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: EMM-F04-LED-E1-T3-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 |
| 2.5° | 1061.7 | 1061.7 | 1061.7 | 1062.8 | 1061.7 | 1061.7 | 1062.8 | 1062.8 | 1063.9 | 1065.1 | 1067.3 |
| 5° | 1060.5 | 1060.5 | 1061.7 | 1061.7 | 1061.7 | 1062.8 | 1063.9 | 1065.1 | 1067.3 | 1070.7 | 1074.1 |
| 7.5° | 1063.9 | 1063.9 | 1062.8 | 1063.9 | 1063.9 | 1065.1 | 1067.3 | 1068.4 | 1073.0 | 1076.4 | 1082.0 |
| 10° | 1067.3 | 1067.3 | 1068.4 | 1069.6 | 1069.6 | 1071.8 | 1075.2 | 1076.4 | 1080.9 | 1087.6 | 1093.3 |
| 12.5° | 1071.8 | 1075.2 | 1079.7 | 1082.0 | 1084.3 | 1086.5 | 1089.9 | 1092.2 | 1097.8 | 1106.8 | 1113.6 |
| 15° | 1075.2 | 1083.1 | 1087.6 | 1093.3 | 1096.7 | 1097.8 | 1101.2 | 1105.7 | 1111.4 | 1120.4 | 1128.3 |
| 17.5° | 1075.2 | 1085.4 | 1092.2 | 1097.8 | 1103.5 | 1106.8 | 1110.2 | 1114.8 | 1122.7 | 1131.7 | 1139.6 |
| 20° | 1074.1 | 1088.8 | 1097.8 | 1106.8 | 1117.0 | 1120.4 | 1126.0 | 1130.6 | 1139.6 | 1150.9 | 1156.5 |
| 22.5° | 1079.7 | 1096.7 | 1109.1 | 1124.9 | 1136.2 | 1145.2 | 1152.0 | 1159.9 | 1166.7 | 1174.6 | 1176.9 |
| 25° | 1096.7 | 1113.6 | 1134.0 | 1153.2 | 1169.0 | 1182.5 | 1191.6 | 1198.3 | 1206.2 | 1209.6 | 1205.1 |
| 27.5° | 1124.9 | 1137.3 | 1165.6 | 1193.8 | 1218.7 | 1235.6 | 1245.8 | 1254.8 | 1257.1 | 1263.8 | 1246.9 |
| 30° | 1175.7 | 1181.4 | 1210.8 | 1251.4 | 1279.6 | 1307.9 | 1321.4 | 1330.5 | 1331.6 | 1327.1 | 1297.7 |
| 32.5° | 1259.3 | 1249.2 | 1275.1 | 1329.3 | 1372.3 | 1396.0 | 1417.4 | 1423.1 | 1419.7 | 1405.0 | 1357.6 |
| 35° | 1361.0 | 1345.2 | 1357.6 | 1436.6 | 1484.1 | 1519.1 | 1539.4 | 1545.1 | 1537.2 | 1511.2 | 1445.7 |
| 37.5° | 1486.3 | 1480.7 | 1486.3 | 1562.0 | 1644.5 | 1677.2 | 1686.2 | 1693.0 | 1673.8 | 1626.4 | 1540.5 |
| 40° | 1625.3 | 1626.4 | 1619.6 | 1688.5 | 1792.4 | 1839.8 | 1861.3 | 1846.6 | 1822.9 | 1755.1 | 1660.3 |
| 42.5° | 1817.3 | 1810.5 | 1786.8 | 1848.9 | 1982.2 | 2030.7 | 2049.9 | 2038.6 | 2014.9 | 1929.1 | 1818.4 |
| 45° | 2071.4 | 2048.8 | 2026.2 | 2059.0 | 2187.7 | 2251.0 | 2279.2 | 2271.3 | 2229.5 | 2125.6 | 2021.7 |
| 47.5° | 2382.0 | 2358.3 | 2316.5 | 2310.8 | 2440.7 | 2515.2 | 2525.4 | 2513.0 | 2481.4 | 2377.5 | 2249.8 |
| 50° | 2708.4 | 2701.6 | 2682.4 | 2637.2 | 2753.6 | 2828.1 | 2821.3 | 2812.3 | 2777.3 | 2645.1 | 2514.1 |
| 52.5° | 3046.1 | 3059.6 | 3047.2 | 3015.6 | 3139.8 | 3170.3 | 3172.6 | 3145.5 | 3104.8 | 2982.8 | 2804.4 |
| 55° | 3400.7 | 3451.6 | 3470.8 | 3495.6 | 3593.9 | 3589.3 | 3563.4 | 3499.0 | 3509.2 | 3370.2 | 3122.9 |
| 57.5° | 3776.8 | 3932.7 | 4055.8 | 4111.1 | 4204.9 | 4232.0 | 4166.5 | 4187.9 | 4178.9 | 4035.5 | 3645.8 |
| 60° | 4272.6 | 4645.4 | 4966.1 | 5163.8 | 5290.3 | 5241.7 | 5333.2 | 5337.7 | 5492.4 | 5177.3 | 4569.7 |
| 62.5° | 5063.3 | 5747.7 | 6316.9 | 6487.5 | 6520.2 | 6508.9 | 6400.5 | 6508.9 | 6479.6 | 6095.6 | 5308.3 |
| 65° | 5728.5 | 6542.8 | 7121.1 | 7225.0 | 7072.5 | 6932.5 | 6806.0 | 6827.4 | 6687.4 | 6131.7 | 5286.9 |
| 67.5° | 5818.8 | 6629.8 | 7166.3 | 7136.9 | 6803.7 | 6543.9 | 6333.9 | 6169.0 | 5883.2 | 5380.6 | 4644.2 |
| 70° | 5103.9 | 5963.4 | 6654.6 | 6632.0 | 6169.0 | 5822.2 | 5481.1 | 5232.7 | 4941.3 | 4552.7 | 3855.9 |
| 72.5° | 3970.0 | 4735.7 | 5405.5 | 5579.4 | 5123.1 | 4740.2 | 4427.4 | 4111.1 | 3810.7 | 3441.4 | 3002.0 |
| 75° | 2702.7 | 3278.7 | 3590.5 | 3637.9 | 3220.0 | 2933.1 | 2812.3 | 2553.7 | 2235.2 | 2156.1 | 1830.8 |
| 77.5° | 1569.9 | 1791.3 | 1696.4 | 1569.9 | 1263.8 | 928.4 | 709.3 | 606.5 | 608.8 | 699.1 | 669.8 |
| 80° | 1276.3 | 1215.3 | 958.9 | 769.1 | 522.9 | 266.5 | 178.5 | 153.6 | 154.7 | 179.6 | 173.9 |
| 82.5° | 1315.8 | 1350.8 | 1110.2 | 777.1 | 535.4 | 282.4 | 135.5 | 100.5 | 117.5 | 127.6 | 125.4 |
| 85° | 974.7 | 1277.4 | 1145.2 | 824.5 | 574.9 | 300.4 | 88.1 | 55.3 | 77.9 | 94.9 | 101.6 |
| 87.5° | 273.3 | 429.2 | 333.2 | 220.2 | 160.4 | 54.2 | 35.0 | 29.4 | 36.1 | 49.7 | 49.7 |
| 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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CATALOG NUMBER: EMM-F04-LED-E1-T3-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 | 1066.2 |
| 2.5° | 1068.4 | 1073.0 | 1071.8 | 1074.1 | 1075.2 | 1078.6 | 1080.9 | 1079.7 | 1079.7 | 1082.0 | 1084.3 |
| 5° | 1077.5 | 1083.1 | 1083.1 | 1086.5 | 1089.9 | 1094.4 | 1097.8 | 1095.6 | 1096.7 | 1098.9 | 1101.2 |
| 7.5° | 1086.5 | 1093.3 | 1094.4 | 1097.8 | 1100.1 | 1102.3 | 1104.6 | 1101.2 | 1100.1 | 1100.1 | 1098.9 |
| 10° | 1097.8 | 1104.6 | 1103.5 | 1103.5 | 1102.3 | 1100.1 | 1095.6 | 1087.6 | 1082.0 | 1078.6 | 1076.4 |
| 12.5° | 1117.0 | 1121.5 | 1114.8 | 1108.0 | 1096.7 | 1088.8 | 1078.6 | 1069.6 | 1062.8 | 1057.2 | 1054.9 |
| 15° | 1134.0 | 1131.7 | 1123.8 | 1111.4 | 1095.6 | 1083.1 | 1073.0 | 1060.5 | 1052.6 | 1045.9 | 1042.5 |
| 17.5° | 1143.0 | 1135.1 | 1123.8 | 1112.5 | 1098.9 | 1087.6 | 1075.2 | 1060.5 | 1048.1 | 1039.1 | 1034.6 |
| 20° | 1152.0 | 1139.6 | 1124.9 | 1113.6 | 1103.5 | 1094.4 | 1085.4 | 1067.3 | 1051.5 | 1037.9 | 1031.2 |
| 22.5° | 1165.6 | 1148.6 | 1134.0 | 1123.8 | 1113.6 | 1104.6 | 1095.6 | 1078.6 | 1061.7 | 1043.6 | 1033.4 |
| 25° | 1184.8 | 1162.2 | 1152.0 | 1141.9 | 1130.6 | 1121.5 | 1109.1 | 1093.3 | 1075.2 | 1053.8 | 1039.1 |
| 27.5° | 1215.3 | 1194.9 | 1183.6 | 1173.5 | 1159.9 | 1145.2 | 1131.7 | 1110.2 | 1093.3 | 1068.4 | 1049.2 |
| 30° | 1259.3 | 1237.9 | 1227.7 | 1217.5 | 1201.7 | 1182.5 | 1163.3 | 1136.2 | 1112.5 | 1084.3 | 1059.4 |
| 32.5° | 1314.7 | 1303.4 | 1290.9 | 1274.0 | 1252.5 | 1228.8 | 1200.6 | 1164.4 | 1130.6 | 1095.6 | 1063.9 |
| 35° | 1400.5 | 1381.3 | 1361.0 | 1344.0 | 1312.4 | 1279.6 | 1236.7 | 1183.6 | 1138.5 | 1095.6 | 1057.2 |
| 37.5° | 1498.8 | 1478.4 | 1451.3 | 1420.8 | 1373.4 | 1321.4 | 1261.6 | 1194.9 | 1135.1 | 1083.1 | 1040.2 |
| 40° | 1617.3 | 1591.4 | 1555.2 | 1497.6 | 1427.6 | 1349.7 | 1269.5 | 1185.9 | 1115.9 | 1056.0 | 1006.3 |
| 42.5° | 1774.3 | 1721.3 | 1651.2 | 1566.5 | 1467.1 | 1361.0 | 1259.3 | 1162.2 | 1083.1 | 1017.6 | 967.9 |
| 45° | 1951.7 | 1867.0 | 1754.0 | 1627.5 | 1489.7 | 1356.5 | 1236.7 | 1123.8 | 1034.6 | 962.3 | 910.3 |
| 47.5° | 2142.5 | 2010.4 | 1844.4 | 1665.9 | 1492.0 | 1331.6 | 1192.7 | 1066.2 | 965.7 | 888.9 | 824.5 |
| 50° | 2358.3 | 2140.3 | 1907.6 | 1685.1 | 1477.3 | 1287.6 | 1129.4 | 983.7 | 879.8 | 788.3 | 729.6 |
| 52.5° | 2543.5 | 2254.4 | 1951.7 | 1677.2 | 1425.3 | 1210.8 | 1025.5 | 884.3 | 762.4 | 681.0 | 623.4 |
| 55° | 2762.6 | 2365.0 | 1975.4 | 1637.7 | 1341.8 | 1091.0 | 913.7 | 756.7 | 641.5 | 569.2 | 519.5 |
| 57.5° | 3131.9 | 2552.5 | 1995.7 | 1557.5 | 1204.0 | 940.8 | 759.0 | 612.2 | 521.8 | 458.6 | 423.5 |
| 60° | 3844.6 | 2916.2 | 2079.3 | 1437.8 | 1028.9 | 760.1 | 586.2 | 478.9 | 400.9 | 359.2 | 334.3 |
| 62.5° | 4311.1 | 3163.5 | 2042.0 | 1253.7 | 804.2 | 569.2 | 429.2 | 345.6 | 300.4 | 269.9 | 258.6 |
| 65° | 4192.5 | 2913.9 | 1732.6 | 993.9 | 560.2 | 378.4 | 288.0 | 237.2 | 216.9 | 201.0 | 194.3 |
| 67.5° | 3600.6 | 2350.4 | 1255.9 | 642.6 | 354.6 | 230.4 | 188.6 | 168.3 | 159.3 | 152.5 | 151.3 |
| 70° | 2868.8 | 1656.9 | 746.6 | 341.1 | 196.5 | 152.5 | 134.4 | 126.5 | 123.1 | 123.1 | 123.1 |
| 72.5° | 2081.5 | 954.4 | 367.1 | 184.1 | 132.1 | 116.3 | 108.4 | 106.2 | 105.0 | 105.0 | 106.2 |
| 75° | 1189.3 | 413.4 | 188.6 | 126.5 | 108.4 | 100.5 | 96.0 | 96.0 | 96.0 | 96.0 | 97.1 |
| 77.5° | 414.5 | 188.6 | 133.3 | 106.2 | 93.7 | 89.2 | 87.0 | 89.2 | 90.4 | 90.4 | 90.4 |
| 80° | 151.3 | 133.3 | 114.1 | 92.6 | 83.6 | 79.1 | 79.1 | 82.4 | 84.7 | 82.4 | 81.3 |
| 82.5° | 119.7 | 105.0 | 92.6 | 80.2 | 73.4 | 71.2 | 72.3 | 74.5 | 73.4 | 72.3 | 68.9 |
| 85° | 91.5 | 68.9 | 64.4 | 59.9 | 58.7 | 58.7 | 63.2 | 64.4 | 59.9 | 57.6 | 54.2 |
| 87.5° | 45.2 | 36.1 | 32.8 | 38.4 | 37.3 | 33.9 | 35.0 | 35.0 | 29.4 | 27.1 | 28.2 |
| 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: P141936

CATALOG NUMBER: EMM-F04-LED-E1-T3-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1066.2 | 1066.2 | 1066.2 | 1066.2 |
| 2.5° | 1084.3 | 1085.4 | 1088.8 | 1087.6 |
| 5° | 1100.1 | 1101.2 | 1103.5 | 1103.5 |
| 7.5° | 1096.7 | 1097.8 | 1097.8 | 1097.8 |
| 10° | 1070.7 | 1070.7 | 1073.0 | 1073.0 |
| 12.5° | 1050.4 | 1049.2 | 1049.2 | 1047.0 |
| 15° | 1037.9 | 1035.7 | 1036.8 | 1033.4 |
| 17.5° | 1028.9 | 1027.8 | 1027.8 | 1025.5 |
| 20° | 1025.5 | 1023.3 | 1022.1 | 1019.9 |
| 22.5° | 1023.3 | 1022.1 | 1019.9 | 1017.6 |
| 25° | 1028.9 | 1023.3 | 1022.1 | 1019.9 |
| 27.5° | 1034.6 | 1028.9 | 1024.4 | 1023.3 |
| 30° | 1040.2 | 1030.0 | 1024.4 | 1022.1 |
| 32.5° | 1039.1 | 1025.5 | 1017.6 | 1014.2 |
| 35° | 1026.7 | 1009.7 | 999.5 | 996.2 |
| 37.5° | 1002.9 | 983.7 | 967.9 | 962.3 |
| 40° | 969.1 | 944.2 | 929.5 | 921.6 |
| 42.5° | 928.4 | 900.2 | 887.7 | 881.0 |
| 45° | 861.8 | 839.2 | 824.5 | 818.8 |
| 47.5° | 787.2 | 756.7 | 743.2 | 737.5 |
| 50° | 691.2 | 666.4 | 655.1 | 647.2 |
| 52.5° | 589.6 | 567.0 | 556.8 | 552.3 |
| 55° | 491.3 | 480.0 | 464.2 | 460.8 |
| 57.5° | 398.7 | 395.3 | 384.0 | 382.9 |
| 60° | 324.1 | 318.5 | 310.6 | 310.6 |
| 62.5° | 255.3 | 249.6 | 246.2 | 246.2 |
| 65° | 196.5 | 195.4 | 193.1 | 192.0 |
| 67.5° | 151.3 | 154.7 | 155.9 | 153.6 |
| 70° | 126.5 | 127.6 | 127.6 | 127.6 |
| 72.5° | 109.6 | 109.6 | 109.6 | 108.4 |
| 75° | 99.4 | 99.4 | 97.1 | 96.0 |
| 77.5° | 91.5 | 90.4 | 91.5 | 90.4 |
| 80° | 80.2 | 79.1 | 76.8 | 74.5 |
| 82.5° | 66.6 | 65.5 | 59.9 | 59.9 |
| 85° | 52.0 | 48.6 | 44.0 | 39.5 |
| 87.5° | 29.4 | 26.0 | 19.2 | 13.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)