

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: P140960

Luminaire Tested: **EMM-E03-LED-E1-SL2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P140960
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33690)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-E03-LED-E1-SL2
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8633.7 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
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

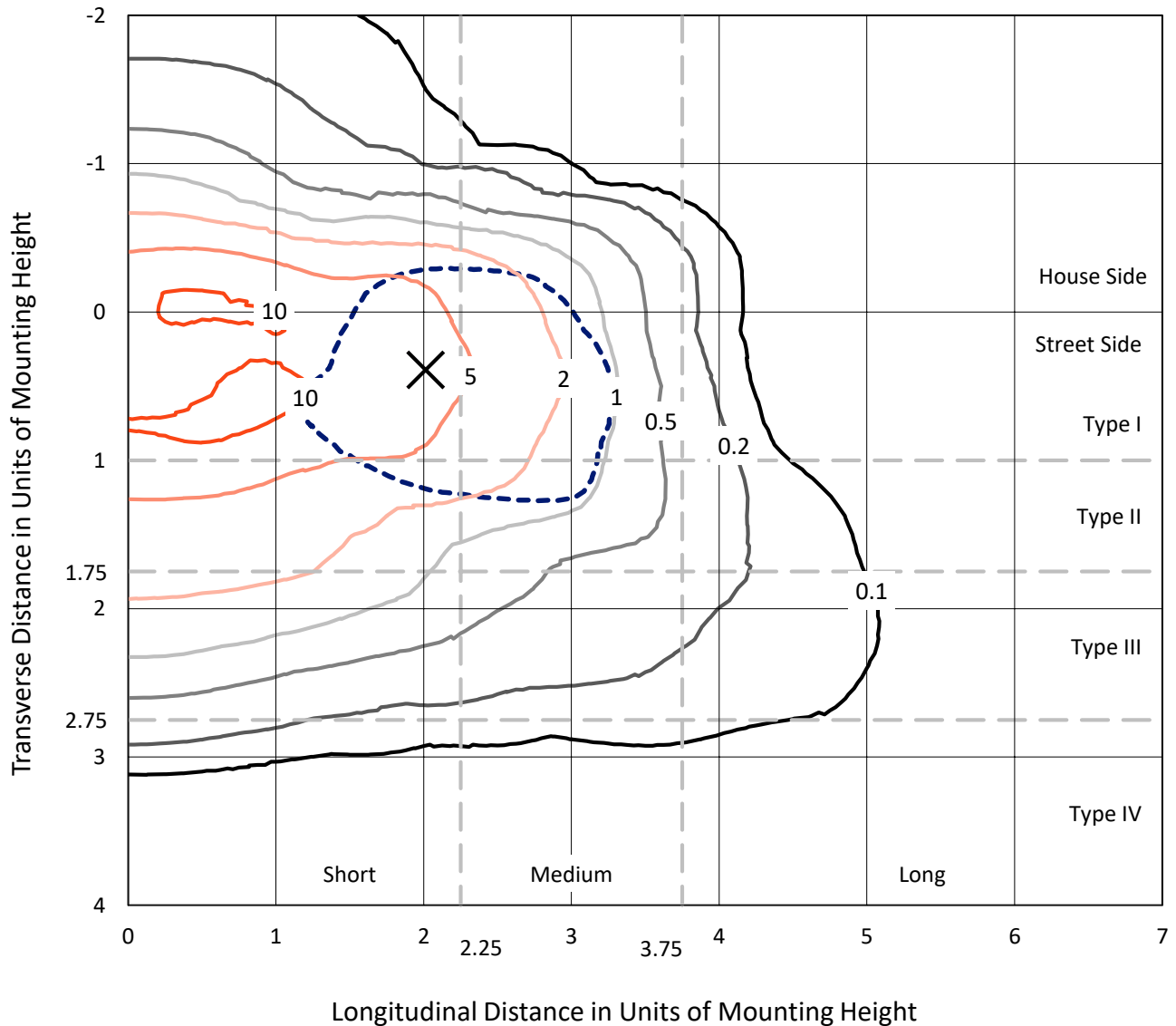


REPORT NUMBER: P140960

CATALOG NUMBER: EMM-E03-LED-E1-SL2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

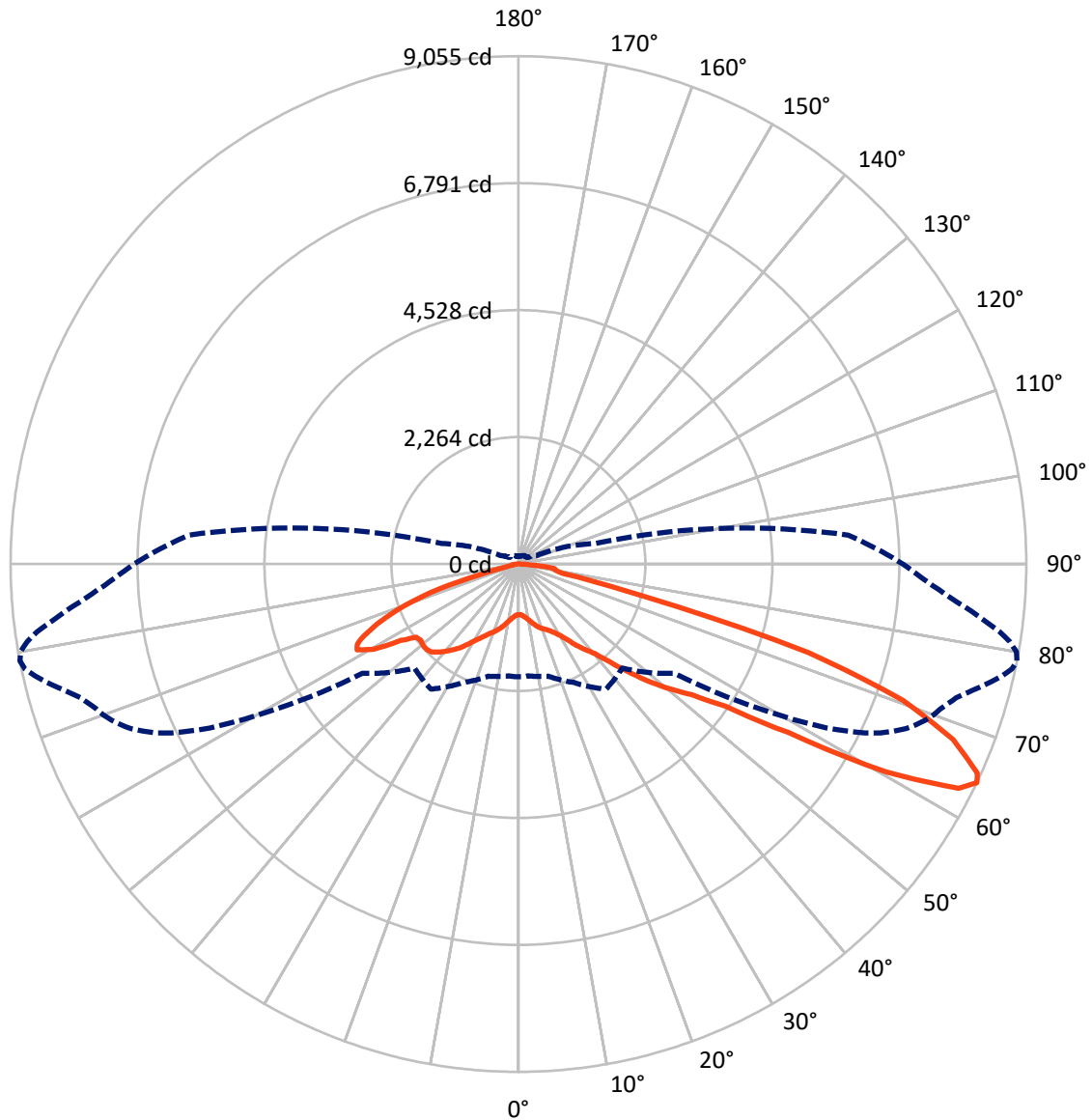


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P140960

CATALOG NUMBER: EMM-E03-LED-E1-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P140960

CATALOG NUMBER: EMM-E03-LED-E1-SL2

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2058.0 | 0.0 | 2058.0 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 6575.7 | 0.0 | 6575.7 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 8633.7 | 0.0 | 8633.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.5 | 1.0 |
| 10°-20° | 290.0 | 3.4 |
| 20°-30° | 497.8 | 5.8 |
| 30°-40° | 832.2 | 9.6 |
| 40°-50° | 1425.6 | 16.5 |
| 50°-60° | 1923.1 | 22.3 |
| 60°-70° | 2432.6 | 28.2 |
| 70°-80° | 970.7 | 11.2 |
| 80°-90° | 172.2 | 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° | 8633.7 | 100.0 |
| 0°-180° | 8633.7 | 100.0 |



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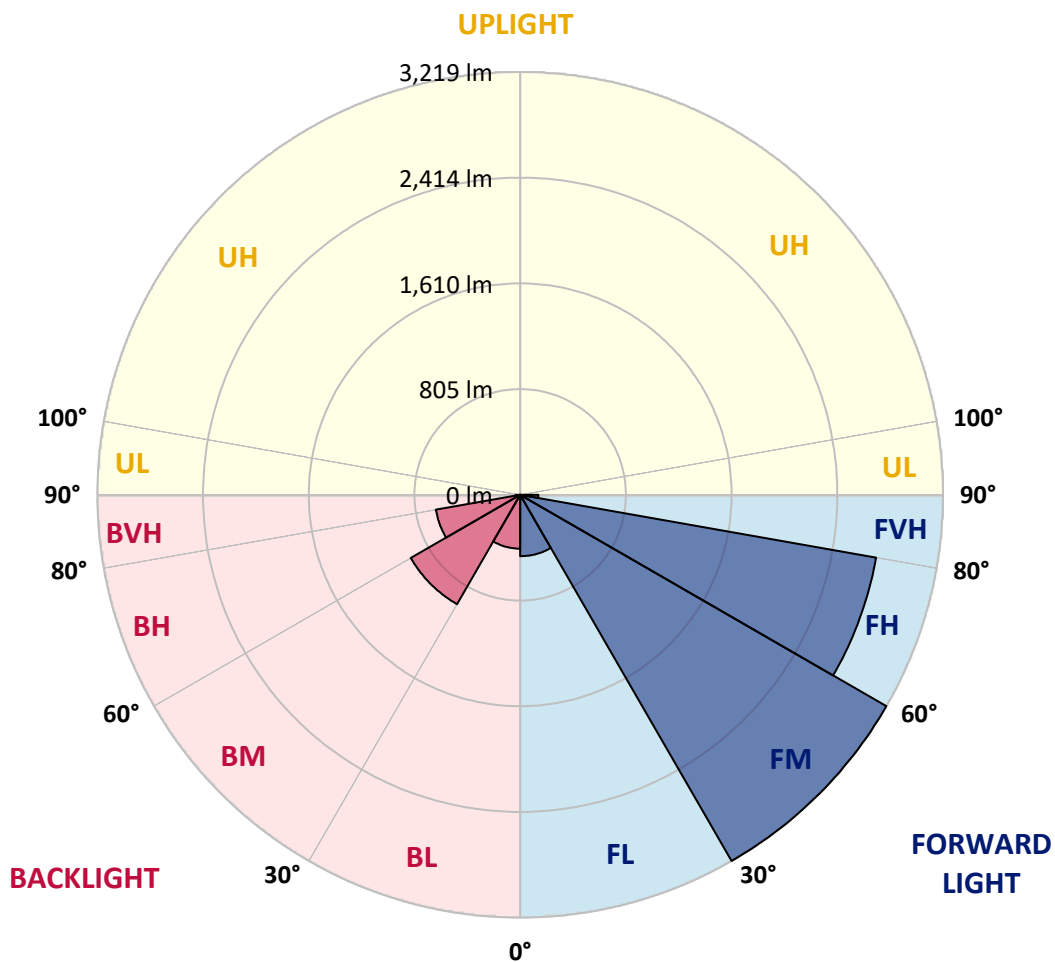
CATALOG NUMBER: EMM-E03-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 467.2 | 5.4 | | | |
| FM | (30°-60°) | 3219.2 | 37.3 | | | |
| FH | (60°-80°) | 2751.4 | 31.9 | | | G2/5000 |
| FVH | (80°-90°) | 137.9 | 1.6 | | | G2/225 |
| BL | (0°-30°) | 410.1 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 961.7 | 11.1 | B1/1000 | | |
| BH | (60°-80°) | 651.9 | 7.6 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 34.3 | 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





REPORT NUMBER: P140960

CATALOG NUMBER: EMM-E03-LED-E1-SL2

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 |
| 2.5° | 899 | 900 | 899 | 902 | 904 | 907 | 907 | 907 | 907 | 907 | 907 |
| 5° | 898 | 899 | 898 | 903 | 908 | 914 | 920 | 922 | 922 | 923 | 924 |
| 7.5° | 907 | 908 | 907 | 913 | 920 | 930 | 941 | 947 | 948 | 949 | 951 |
| 10° | 935 | 933 | 929 | 935 | 942 | 957 | 970 | 980 | 983 | 984 | 988 |
| 12.5° | 972 | 971 | 964 | 961 | 965 | 982 | 1006 | 1020 | 1023 | 1024 | 1028 |
| 15° | 1000 | 997 | 991 | 987 | 994 | 1012 | 1044 | 1062 | 1068 | 1069 | 1076 |
| 17.5° | 1018 | 1016 | 1006 | 1003 | 1014 | 1042 | 1082 | 1104 | 1108 | 1111 | 1119 |
| 20° | 1048 | 1042 | 1027 | 1014 | 1023 | 1066 | 1113 | 1136 | 1142 | 1145 | 1152 |
| 22.5° | 1088 | 1083 | 1065 | 1032 | 1032 | 1080 | 1141 | 1167 | 1172 | 1178 | 1186 |
| 25° | 1157 | 1153 | 1118 | 1062 | 1048 | 1094 | 1167 | 1202 | 1207 | 1214 | 1226 |
| 27.5° | 1228 | 1223 | 1184 | 1109 | 1076 | 1120 | 1205 | 1247 | 1254 | 1262 | 1276 |
| 30° | 1319 | 1310 | 1271 | 1184 | 1131 | 1162 | 1265 | 1318 | 1326 | 1336 | 1355 |
| 32.5° | 1523 | 1527 | 1456 | 1364 | 1271 | 1258 | 1358 | 1423 | 1435 | 1448 | 1474 |
| 35° | 1855 | 1839 | 1813 | 1719 | 1616 | 1514 | 1539 | 1609 | 1622 | 1626 | 1637 |
| 37.5° | 2067 | 2076 | 2097 | 2097 | 2020 | 1977 | 1906 | 1872 | 1875 | 1879 | 1870 |
| 40° | 2185 | 2204 | 2276 | 2373 | 2443 | 2482 | 2470 | 2311 | 2292 | 2267 | 2187 |
| 42.5° | 2270 | 2289 | 2412 | 2598 | 2772 | 2910 | 2986 | 2861 | 2847 | 2787 | 2691 |
| 45° | 2322 | 2337 | 2485 | 2749 | 3012 | 3247 | 3455 | 3411 | 3407 | 3356 | 3230 |
| 47.5° | 2312 | 2325 | 2479 | 2797 | 3142 | 3461 | 3783 | 3863 | 3867 | 3854 | 3777 |
| 50° | 2164 | 2195 | 2348 | 2691 | 3070 | 3544 | 3995 | 4204 | 4210 | 4222 | 4192 |
| 52.5° | 2032 | 2056 | 2193 | 2500 | 2864 | 3462 | 4122 | 4454 | 4505 | 4534 | 4590 |
| 55° | 1978 | 1992 | 2097 | 2358 | 2694 | 3243 | 4165 | 4635 | 4726 | 4781 | 4909 |
| 57.5° | 1968 | 1979 | 2060 | 2259 | 2581 | 3017 | 4151 | 4878 | 5022 | 5126 | 5374 |
| 60° | 2035 | 2045 | 2102 | 2269 | 2503 | 2852 | 4023 | 5198 | 5400 | 5680 | 6080 |
| 62.5° | 2085 | 2090 | 2160 | 2394 | 2589 | 2691 | 3697 | 5422 | 5781 | 6137 | 6732 |
| 64° | 2012 | 2002 | 2071 | 2329 | 2722 | 2622 | 3395 | 5411 | 5832 | 6227 | 6871 |
| 65° | 1905 | 1912 | 1974 | 2202 | 2699 | 2619 | 3197 | 5291 | 5728 | 6147 | 6806 |
| 67.5° | 1480 | 1507 | 1524 | 1733 | 2211 | 2704 | 2677 | 4527 | 4966 | 5366 | 6145 |
| 70° | 796 | 793 | 831 | 996 | 1538 | 2295 | 2297 | 3191 | 3677 | 4174 | 4949 |
| 72.5° | 293 | 308 | 338 | 455 | 799 | 1656 | 2105 | 2213 | 2430 | 2825 | 3656 |
| 75° | 168 | 170 | 176 | 214 | 385 | 914 | 1956 | 1958 | 1974 | 2039 | 2491 |
| 77.5° | 131 | 127 | 130 | 139 | 210 | 481 | 1569 | 1860 | 1858 | 1848 | 1914 |
| 80° | 98 | 102 | 108 | 108 | 130 | 258 | 892 | 1655 | 1711 | 1753 | 1777 |
| 82.5° | 79 | 82 | 97 | 97 | 95 | 146 | 421 | 1226 | 1402 | 1516 | 1693 |
| 85° | 51 | 54 | 82 | 81 | 77 | 86 | 220 | 411 | 443 | 540 | 768 |
| 87.5° | 14 | 17 | 38 | 33 | 40 | 32 | 82 | 125 | 154 | 174 | 219 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CATALOG NUMBER: EMM-E03-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 |
| 2.5° | 907 | 907 | 907 | 908 | 908 | 908 | 908 | 908 | 909 | 907 | 907 |
| 5° | 925 | 924 | 925 | 925 | 928 | 927 | 928 | 928 | 927 | 929 | 929 |
| 7.5° | 954 | 952 | 954 | 955 | 956 | 960 | 960 | 962 | 963 | 964 | 962 |
| 10° | 989 | 992 | 993 | 993 | 998 | 1000 | 1000 | 1003 | 1006 | 1008 | 1007 |
| 12.5° | 1032 | 1034 | 1035 | 1041 | 1042 | 1045 | 1050 | 1053 | 1053 | 1058 | 1061 |
| 15° | 1080 | 1082 | 1088 | 1090 | 1094 | 1099 | 1102 | 1105 | 1105 | 1114 | 1117 |
| 17.5° | 1121 | 1125 | 1129 | 1132 | 1139 | 1144 | 1149 | 1152 | 1157 | 1161 | 1168 |
| 20° | 1156 | 1161 | 1166 | 1172 | 1177 | 1182 | 1188 | 1192 | 1198 | 1204 | 1211 |
| 22.5° | 1190 | 1196 | 1202 | 1207 | 1214 | 1219 | 1224 | 1231 | 1235 | 1241 | 1249 |
| 25° | 1227 | 1237 | 1243 | 1250 | 1257 | 1264 | 1270 | 1276 | 1282 | 1290 | 1298 |
| 27.5° | 1286 | 1291 | 1299 | 1303 | 1315 | 1323 | 1331 | 1332 | 1340 | 1355 | 1357 |
| 30° | 1363 | 1372 | 1377 | 1391 | 1393 | 1396 | 1409 | 1418 | 1428 | 1440 | 1445 |
| 32.5° | 1479 | 1487 | 1494 | 1498 | 1509 | 1527 | 1529 | 1537 | 1554 | 1557 | 1575 |
| 35° | 1649 | 1651 | 1662 | 1668 | 1682 | 1692 | 1697 | 1704 | 1713 | 1734 | 1739 |
| 37.5° | 1853 | 1870 | 1856 | 1842 | 1867 | 1864 | 1870 | 1862 | 1886 | 1887 | 1896 |
| 40° | 2170 | 2163 | 2133 | 2101 | 2086 | 2077 | 2059 | 2055 | 2068 | 2062 | 2065 |
| 42.5° | 2637 | 2571 | 2520 | 2482 | 2435 | 2384 | 2355 | 2311 | 2311 | 2298 | 2310 |
| 45° | 3186 | 3112 | 3017 | 2927 | 2869 | 2802 | 2733 | 2687 | 2640 | 2605 | 2636 |
| 47.5° | 3727 | 3677 | 3571 | 3488 | 3372 | 3272 | 3163 | 3068 | 3012 | 2971 | 2977 |
| 50° | 4197 | 4151 | 4096 | 3984 | 3896 | 3794 | 3679 | 3554 | 3433 | 3384 | 3342 |
| 52.5° | 4593 | 4577 | 4530 | 4478 | 4406 | 4297 | 4224 | 4105 | 3962 | 3859 | 3815 |
| 55° | 4943 | 4971 | 4996 | 4985 | 4959 | 4945 | 4855 | 4774 | 4677 | 4647 | 4556 |
| 57.5° | 5494 | 5575 | 5671 | 5724 | 5776 | 5895 | 5924 | 5893 | 5905 | 5897 | 5849 |
| 60° | 6274 | 6470 | 6638 | 6772 | 6915 | 7054 | 7218 | 7326 | 7371 | 7545 | 7542 |
| 62.5° | 6943 | 7204 | 7419 | 7580 | 7747 | 7873 | 7979 | 8087 | 8219 | 8345 | 8504 |
| 64° | 7125 | 7330 | 7505 | 7649 | 7769 | 7872 | 7953 | 8052 | 8161 | 8324 | 8500 |
| 65° | 7031 | 7262 | 7389 | 7519 | 7627 | 7707 | 7790 | 7880 | 8018 | 8147 | 8335 |
| 67.5° | 6392 | 6567 | 6751 | 6872 | 6976 | 7023 | 7101 | 7176 | 7253 | 7383 | 7618 |
| 70° | 5390 | 5586 | 5851 | 5965 | 6073 | 6090 | 6163 | 6219 | 6270 | 6443 | 6559 |
| 72.5° | 4044 | 4424 | 4684 | 4884 | 4906 | 4991 | 5021 | 5044 | 5102 | 5134 | 5169 |
| 75° | 2787 | 3129 | 3350 | 3426 | 3519 | 3474 | 3422 | 3239 | 3240 | 3085 | 2909 |
| 77.5° | 1961 | 2014 | 2016 | 2017 | 1894 | 1822 | 1740 | 1635 | 1594 | 1512 | 1400 |
| 80° | 1778 | 1772 | 1735 | 1690 | 1623 | 1527 | 1428 | 1359 | 1305 | 1244 | 1164 |
| 82.5° | 1716 | 1730 | 1703 | 1665 | 1626 | 1531 | 1417 | 1309 | 1220 | 1123 | 1025 |
| 85° | 836 | 860 | 938 | 989 | 1001 | 942 | 861 | 763 | 669 | 563 | 514 |
| 87.5° | 251 | 269 | 275 | 292 | 313 | 285 | 251 | 225 | 181 | 157 | 123 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P140960

CATALOG NUMBER: EMM-E03-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 |
| 2.5° | 907 | 908 | 908 | 907 | 908 | 908 | 909 | 908 | 908 | 908 | 907 |
| 5° | 927 | 931 | 930 | 930 | 932 | 932 | 931 | 933 | 932 | 932 | 931 |
| 7.5° | 965 | 965 | 968 | 969 | 967 | 967 | 969 | 970 | 972 | 973 | 973 |
| 10° | 1009 | 1014 | 1014 | 1015 | 1016 | 1019 | 1020 | 1020 | 1022 | 1022 | 1024 |
| 12.5° | 1063 | 1065 | 1067 | 1072 | 1073 | 1073 | 1078 | 1077 | 1077 | 1082 | 1083 |
| 15° | 1121 | 1124 | 1129 | 1131 | 1133 | 1138 | 1141 | 1144 | 1143 | 1150 | 1152 |
| 17.5° | 1172 | 1175 | 1181 | 1186 | 1189 | 1192 | 1194 | 1198 | 1204 | 1209 | 1210 |
| 20° | 1213 | 1217 | 1224 | 1230 | 1235 | 1238 | 1246 | 1250 | 1252 | 1256 | 1261 |
| 22.5° | 1253 | 1260 | 1267 | 1269 | 1280 | 1283 | 1289 | 1295 | 1299 | 1308 | 1311 |
| 25° | 1303 | 1309 | 1318 | 1324 | 1331 | 1337 | 1343 | 1348 | 1357 | 1365 | 1369 |
| 27.5° | 1369 | 1374 | 1381 | 1392 | 1398 | 1402 | 1413 | 1423 | 1427 | 1435 | 1442 |
| 30° | 1456 | 1461 | 1471 | 1482 | 1487 | 1500 | 1508 | 1515 | 1523 | 1534 | 1544 |
| 32.5° | 1583 | 1589 | 1598 | 1612 | 1612 | 1621 | 1638 | 1653 | 1659 | 1672 | 1679 |
| 35° | 1750 | 1751 | 1761 | 1782 | 1788 | 1786 | 1802 | 1816 | 1820 | 1840 | 1853 |
| 37.5° | 1912 | 1915 | 1927 | 1935 | 1946 | 1954 | 1965 | 1986 | 1986 | 2015 | 2027 |
| 40° | 2080 | 2095 | 2097 | 2099 | 2117 | 2149 | 2160 | 2181 | 2200 | 2228 | 2241 |
| 42.5° | 2324 | 2340 | 2359 | 2381 | 2408 | 2426 | 2447 | 2477 | 2485 | 2520 | 2529 |
| 45° | 2658 | 2677 | 2728 | 2733 | 2781 | 2805 | 2840 | 2880 | 2890 | 2913 | 2901 |
| 47.5° | 2991 | 3013 | 3069 | 3127 | 3171 | 3213 | 3223 | 3240 | 3255 | 3241 | 3245 |
| 50° | 3360 | 3392 | 3445 | 3496 | 3529 | 3577 | 3577 | 3581 | 3567 | 3544 | 3507 |
| 52.5° | 3792 | 3797 | 3831 | 3871 | 3901 | 3911 | 3911 | 3888 | 3854 | 3817 | 3745 |
| 55° | 4513 | 4458 | 4468 | 4468 | 4446 | 4428 | 4414 | 4358 | 4291 | 4224 | 4158 |
| 57.5° | 5812 | 5864 | 5709 | 5667 | 5669 | 5532 | 5476 | 5380 | 5308 | 5188 | 5087 |
| 60° | 7665 | 7629 | 7578 | 7530 | 7534 | 7353 | 7226 | 7083 | 6958 | 6694 | 6582 |
| 62.5° | 8646 | 8774 | 8847 | 8810 | 8725 | 8612 | 8404 | 8187 | 7967 | 7743 | 7542 |
| 64° | 8682 | 8851 | 8995 | 9055 | 9015 | 8872 | 8660 | 8390 | 8128 | 7864 | 7621 |
| 65° | 8508 | 8722 | 8908 | 8992 | 8994 | 8868 | 8656 | 8384 | 8104 | 7798 | 7545 |
| 67.5° | 7786 | 8032 | 8215 | 8356 | 8477 | 8413 | 8266 | 7977 | 7712 | 7365 | 7088 |
| 70° | 6703 | 6855 | 7061 | 7267 | 7364 | 7379 | 7324 | 7178 | 6868 | 6586 | 6229 |
| 72.5° | 5166 | 5402 | 5281 | 5408 | 5489 | 5410 | 5420 | 5171 | 5071 | 4823 | 4572 |
| 75° | 2736 | 2744 | 2692 | 2314 | 2267 | 2094 | 2286 | 1943 | 1826 | 1718 | 1579 |
| 77.5° | 1269 | 1105 | 952 | 795 | 650 | 569 | 444 | 391 | 352 | 310 | 319 |
| 80° | 1061 | 935 | 801 | 664 | 558 | 451 | 362 | 281 | 225 | 189 | 172 |
| 82.5° | 939 | 828 | 735 | 651 | 575 | 470 | 386 | 298 | 229 | 173 | 134 |
| 85° | 424 | 332 | 302 | 238 | 202 | 172 | 137 | 113 | 93 | 79 | 62 |
| 87.5° | 99 | 68 | 58 | 55 | 48 | 45 | 38 | 40 | 33 | 26 | 27 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 | 903 |
| 2.5° | 907 | 907 | 908 | 908 | 909 | 911 | 914 | 911 | 911 | 911 | 912 |
| 5° | 933 | 934 | 933 | 933 | 935 | 938 | 939 | 933 | 930 | 927 | 923 |
| 7.5° | 971 | 975 | 974 | 974 | 976 | 976 | 974 | 965 | 956 | 942 | 930 |
| 10° | 1024 | 1026 | 1026 | 1026 | 1029 | 1031 | 1022 | 1002 | 978 | 953 | 931 |
| 12.5° | 1087 | 1086 | 1089 | 1092 | 1090 | 1090 | 1073 | 1042 | 1003 | 962 | 924 |
| 15° | 1153 | 1154 | 1154 | 1159 | 1160 | 1156 | 1129 | 1081 | 1021 | 959 | 898 |
| 17.5° | 1215 | 1217 | 1218 | 1222 | 1227 | 1216 | 1177 | 1112 | 1024 | 931 | 849 |
| 20° | 1267 | 1270 | 1273 | 1276 | 1281 | 1273 | 1221 | 1127 | 1008 | 886 | 792 |
| 22.5° | 1314 | 1319 | 1321 | 1326 | 1334 | 1324 | 1261 | 1127 | 972 | 837 | 728 |
| 25° | 1371 | 1377 | 1387 | 1389 | 1403 | 1392 | 1293 | 1119 | 931 | 775 | 659 |
| 27.5° | 1446 | 1452 | 1461 | 1466 | 1483 | 1468 | 1317 | 1098 | 880 | 708 | 592 |
| 30° | 1545 | 1551 | 1562 | 1567 | 1598 | 1548 | 1333 | 1066 | 821 | 630 | 515 |
| 32.5° | 1683 | 1699 | 1698 | 1711 | 1739 | 1637 | 1340 | 1021 | 747 | 551 | 443 |
| 35° | 1864 | 1875 | 1885 | 1903 | 1916 | 1732 | 1335 | 962 | 655 | 469 | 380 |
| 37.5° | 2038 | 2057 | 2064 | 2076 | 2073 | 1796 | 1315 | 870 | 555 | 396 | 337 |
| 40° | 2255 | 2266 | 2288 | 2299 | 2246 | 1857 | 1268 | 747 | 455 | 348 | 309 |
| 42.5° | 2544 | 2558 | 2547 | 2544 | 2442 | 1891 | 1178 | 624 | 381 | 313 | 286 |
| 45° | 2895 | 2901 | 2868 | 2846 | 2668 | 1888 | 1047 | 508 | 330 | 287 | 266 |
| 47.5° | 3212 | 3200 | 3157 | 3124 | 2864 | 1818 | 883 | 419 | 303 | 266 | 250 |
| 50° | 3474 | 3421 | 3375 | 3333 | 3021 | 1711 | 726 | 353 | 277 | 249 | 234 |
| 52.5° | 3711 | 3639 | 3585 | 3514 | 3164 | 1570 | 601 | 308 | 251 | 232 | 217 |
| 55° | 4062 | 3978 | 3909 | 3839 | 3417 | 1460 | 520 | 274 | 225 | 214 | 200 |
| 57.5° | 5069 | 4844 | 4783 | 4720 | 4095 | 1436 | 473 | 247 | 205 | 197 | 188 |
| 60° | 6446 | 6300 | 6202 | 6048 | 5221 | 1513 | 438 | 227 | 191 | 186 | 178 |
| 62.5° | 7344 | 7168 | 7006 | 6849 | 5882 | 1511 | 395 | 214 | 183 | 182 | 170 |
| 64° | 7401 | 7204 | 7023 | 6854 | 5903 | 1412 | 356 | 205 | 183 | 183 | 165 |
| 65° | 7307 | 7109 | 6922 | 6746 | 5783 | 1336 | 330 | 201 | 186 | 185 | 162 |
| 67.5° | 6828 | 6629 | 6419 | 6230 | 5275 | 1047 | 261 | 194 | 202 | 195 | 159 |
| 70° | 5981 | 5755 | 5597 | 5461 | 4528 | 731 | 207 | 198 | 221 | 207 | 167 |
| 72.5° | 4335 | 4151 | 4149 | 3995 | 3428 | 464 | 167 | 197 | 220 | 205 | 173 |
| 75° | 1684 | 1444 | 1436 | 1490 | 1458 | 251 | 144 | 174 | 180 | 171 | 153 |
| 77.5° | 288 | 283 | 280 | 295 | 325 | 139 | 132 | 148 | 134 | 121 | 127 |
| 80° | 160 | 153 | 151 | 151 | 142 | 114 | 117 | 118 | 97 | 90 | 105 |
| 82.5° | 111 | 103 | 99 | 96 | 93 | 102 | 104 | 93 | 70 | 69 | 98 |
| 85° | 54 | 51 | 50 | 50 | 57 | 96 | 86 | 72 | 47 | 47 | 106 |
| 87.5° | 23 | 23 | 20 | 20 | 31 | 61 | 39 | 30 | 19 | 22 | 43 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CATALOG NUMBER: EMM-E03-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|------|------|------|
| 0° | 903 | 903 | 903 |
| 2.5° | 911 | 913 | 912 |
| 5° | 918 | 918 | 916 |
| 7.5° | 917 | 913 | 911 |
| 10° | 911 | 900 | 899 |
| 12.5° | 895 | 877 | 872 |
| 15° | 849 | 825 | 819 |
| 17.5° | 791 | 763 | 755 |
| 20° | 725 | 693 | 682 |
| 22.5° | 661 | 624 | 613 |
| 25° | 591 | 554 | 548 |
| 27.5° | 514 | 479 | 470 |
| 30° | 443 | 413 | 406 |
| 32.5° | 379 | 358 | 358 |
| 35° | 337 | 319 | 319 |
| 37.5° | 304 | 296 | 295 |
| 40° | 282 | 275 | 274 |
| 42.5° | 265 | 257 | 256 |
| 45° | 247 | 239 | 239 |
| 47.5° | 230 | 221 | 222 |
| 50° | 213 | 206 | 206 |
| 52.5° | 199 | 192 | 191 |
| 55° | 186 | 179 | 178 |
| 57.5° | 174 | 166 | 165 |
| 60° | 162 | 154 | 152 |
| 62.5° | 152 | 143 | 141 |
| 64° | 146 | 137 | 135 |
| 65° | 143 | 133 | 132 |
| 67.5° | 140 | 127 | 126 |
| 70° | 151 | 125 | 120 |
| 72.5° | 152 | 122 | 116 |
| 75° | 144 | 116 | 111 |
| 77.5° | 127 | 106 | 100 |
| 80° | 122 | 83 | 73 |
| 82.5° | 112 | 68 | 57 |
| 85° | 92 | 44 | 41 |
| 87.5° | 53 | 29 | 21 |
| 90° | 0 | 0 | 0 |

(END OF REPORT)