

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: P228241

Luminaire Tested: **ISS-AF-1000-LED-E1-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29762)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-1000-LED-E1-SL3-8030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

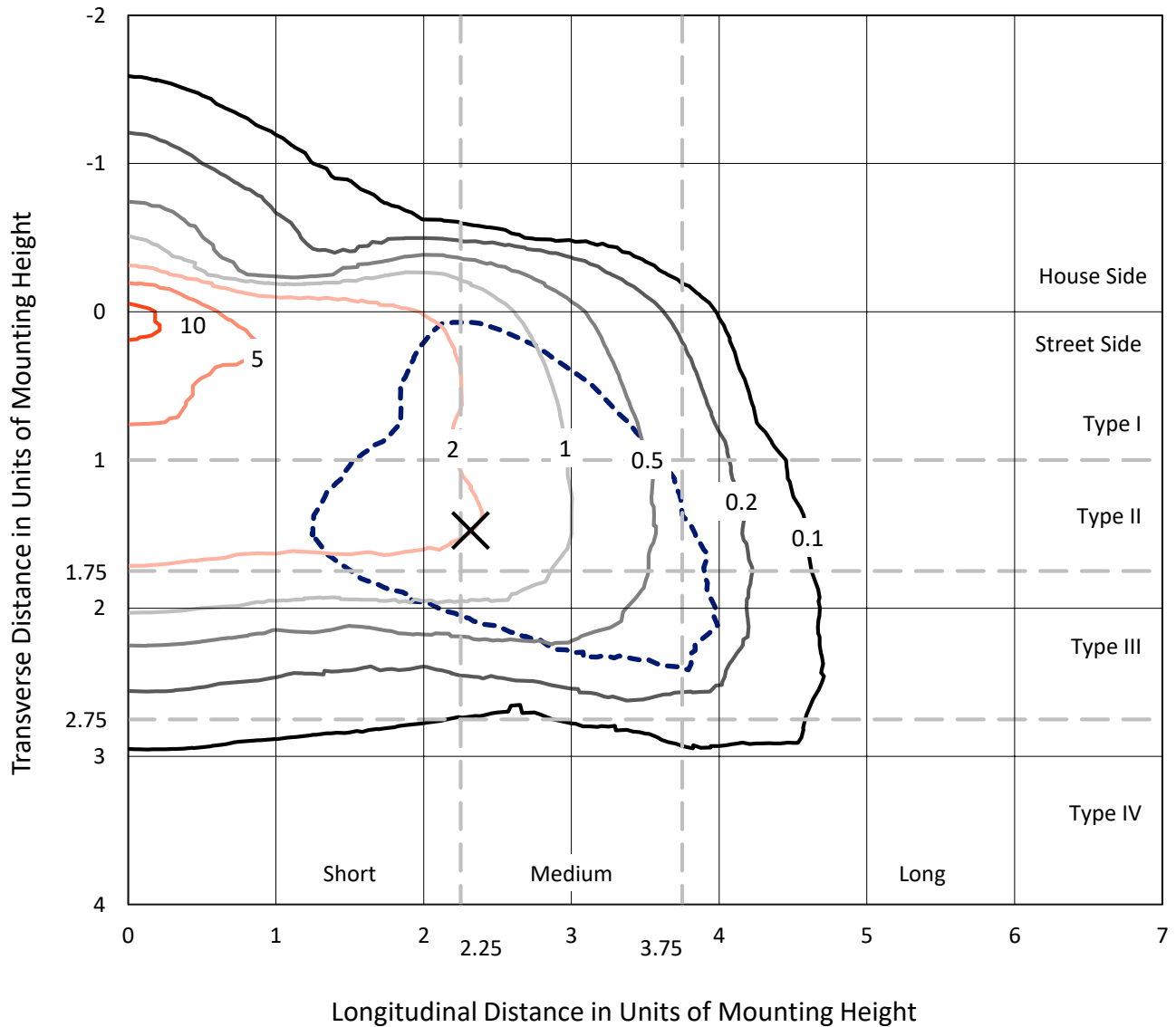
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

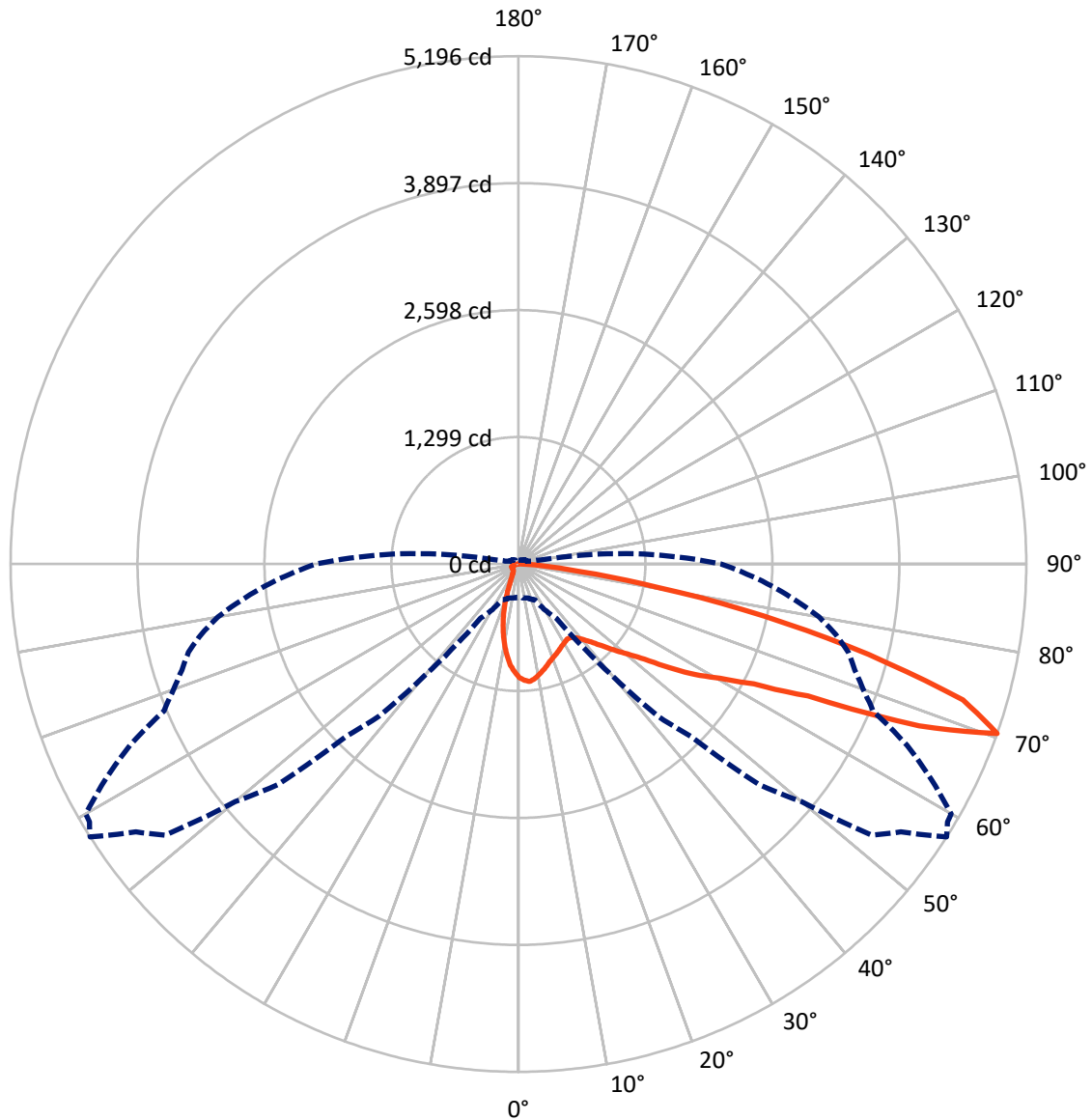
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 543.2 | 0.0 | 543.2 |
| | % Fixture | 12.4 | 0.0 | 12.4 |
| Street Side | Lumens | 3846.7 | 0.0 | 3846.7 |
| | % Fixture | 87.6 | 0.0 | 87.6 |
| Total | Lumens | 4390.0 | 0.0 | 4390.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 100.3 | 2.3 |
| 10°-20° | 217.8 | 5.0 |
| 20°-30° | 273.7 | 6.2 |
| 30°-40° | 357.8 | 8.1 |
| 40°-50° | 536.7 | 12.2 |
| 50°-60° | 848.5 | 19.3 |
| 60°-70° | 1223.1 | 27.9 |
| 70°-80° | 757.0 | 17.2 |
| 80°-90° | 75.1 | 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° | 4390.0 | 100.0 |
| 0°-180° | 4390.0 | 100.0 |



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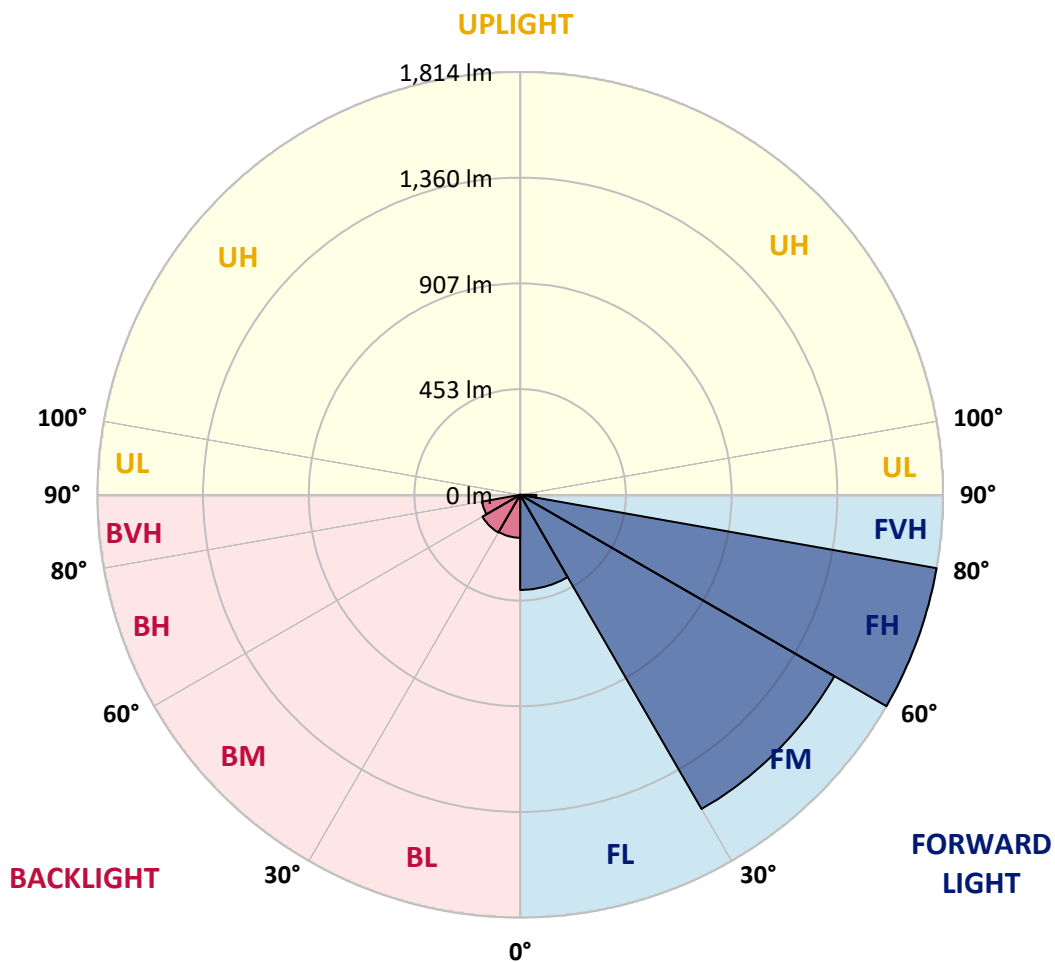
CATALOG NUMBER: ISS-AF-1000-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 407.7 | 9.3 | | | |
| FM | (30°-60°) | 1556.2 | 35.4 | | | |
| FH | (60°-80°) | 1813.7 | 41.3 | | | G2/5000 |
| FVH | (80°-90°) | 69.1 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 184.2 | 4.2 | B1/500 | | |
| BM | (30°-60°) | 186.8 | 4.3 | B0/220 | | |
| BH | (60°-80°) | 166.3 | 3.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 6.0 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 |
| 2.5° | 1219.6 | 1218.0 | 1214.9 | 1208.7 | 1205.6 | 1208.7 | 1205.6 | 1200.9 | 1194.7 | 1199.3 | 1196.2 |
| 5° | 1216.5 | 1219.6 | 1213.4 | 1208.7 | 1216.5 | 1219.6 | 1213.4 | 1213.4 | 1207.1 | 1213.4 | 1210.2 |
| 7.5° | 1155.7 | 1157.3 | 1158.8 | 1157.3 | 1177.5 | 1177.5 | 1174.4 | 1177.5 | 1179.1 | 1182.2 | 1183.8 |
| 10° | 1079.4 | 1081.0 | 1084.1 | 1088.8 | 1113.7 | 1116.8 | 1118.3 | 1121.5 | 1126.1 | 1129.2 | 1138.6 |
| 12.5° | 1003.1 | 1006.2 | 1012.4 | 1028.0 | 1054.5 | 1057.6 | 1062.3 | 1066.9 | 1074.7 | 1079.4 | 1096.5 |
| 15° | 939.2 | 940.8 | 947.0 | 964.1 | 1003.1 | 1010.9 | 1014.0 | 1020.2 | 1035.8 | 1035.8 | 1054.5 |
| 17.5° | 880.0 | 883.2 | 887.8 | 908.1 | 947.0 | 959.5 | 968.8 | 971.9 | 992.2 | 996.9 | 1018.7 |
| 20° | 834.9 | 836.4 | 838.0 | 856.7 | 892.5 | 911.2 | 919.0 | 931.4 | 947.0 | 959.5 | 978.2 |
| 22.5° | 809.9 | 811.5 | 808.4 | 816.2 | 847.3 | 870.7 | 880.0 | 892.5 | 898.7 | 920.5 | 931.4 |
| 25° | 811.5 | 813.1 | 805.3 | 800.6 | 816.2 | 841.1 | 848.9 | 861.3 | 858.2 | 889.4 | 889.4 |
| 27.5° | 827.1 | 830.2 | 822.4 | 808.4 | 809.9 | 830.2 | 834.9 | 839.5 | 830.2 | 861.3 | 855.1 |
| 30° | 858.2 | 861.3 | 852.0 | 841.1 | 824.0 | 836.4 | 836.4 | 836.4 | 819.3 | 845.8 | 834.9 |
| 32.5° | 890.9 | 894.1 | 890.9 | 883.2 | 861.3 | 864.5 | 858.2 | 855.1 | 831.8 | 853.6 | 836.4 |
| 35° | 939.2 | 940.8 | 942.3 | 942.3 | 911.2 | 917.4 | 900.3 | 890.9 | 869.1 | 886.3 | 862.9 |
| 37.5° | 996.9 | 996.9 | 1007.8 | 1012.4 | 978.2 | 978.2 | 959.5 | 947.0 | 926.8 | 933.0 | 909.6 |
| 40° | 1048.3 | 1052.9 | 1077.8 | 1091.9 | 1060.7 | 1048.3 | 1032.7 | 1021.8 | 1006.2 | 1006.2 | 982.8 |
| 42.5° | 1107.4 | 1116.8 | 1146.4 | 1172.9 | 1155.7 | 1137.0 | 1121.5 | 1110.6 | 1102.8 | 1101.2 | 1076.3 |
| 45° | 1180.6 | 1191.6 | 1224.3 | 1249.2 | 1253.9 | 1239.8 | 1227.4 | 1216.5 | 1210.2 | 1207.1 | 1185.3 |
| 47.5° | 1263.2 | 1274.1 | 1303.7 | 1333.3 | 1355.1 | 1352.0 | 1338.0 | 1327.1 | 1331.7 | 1328.6 | 1314.6 |
| 50° | 1355.1 | 1361.3 | 1380.0 | 1414.3 | 1464.1 | 1475.0 | 1471.9 | 1464.1 | 1473.5 | 1473.5 | 1461.0 |
| 52.5° | 1428.3 | 1433.0 | 1447.0 | 1487.5 | 1570.0 | 1595.0 | 1615.2 | 1630.8 | 1646.4 | 1655.7 | 1647.9 |
| 55° | 1495.3 | 1495.3 | 1496.8 | 1548.2 | 1671.3 | 1711.8 | 1757.0 | 1789.7 | 1809.9 | 1847.3 | 1862.9 |
| 57.5° | 1604.3 | 1596.5 | 1595.0 | 1649.5 | 1792.8 | 1834.8 | 1900.3 | 1947.0 | 1975.0 | 2051.3 | 2049.8 |
| 60° | 1573.2 | 1576.3 | 1632.3 | 1792.8 | 2042.0 | 2079.4 | 2138.6 | 2188.4 | 2241.4 | 2297.4 | 2302.1 |
| 62.5° | 1356.7 | 1364.4 | 1448.6 | 1688.4 | 2200.9 | 2395.6 | 2577.8 | 2716.4 | 2794.3 | 2844.1 | 2775.6 |
| 65° | 950.1 | 968.8 | 1082.5 | 1375.3 | 2026.4 | 2327.0 | 2615.2 | 2936.0 | 3182.1 | 3563.8 | 3674.3 |
| 67.5° | 473.5 | 487.5 | 506.2 | 721.2 | 1514.0 | 1936.1 | 2333.3 | 2770.9 | 3098.0 | 3658.8 | 3971.8 |
| 70° | 339.6 | 345.8 | 359.8 | 405.0 | 677.5 | 1014.0 | 1481.3 | 2107.4 | 2492.1 | 3337.9 | 3780.3 |
| 72.5° | 263.2 | 269.5 | 288.2 | 352.0 | 448.6 | 495.3 | 588.8 | 962.6 | 1431.4 | 2305.2 | 2903.3 |
| 75° | 204.0 | 213.4 | 239.9 | 317.7 | 431.5 | 457.9 | 462.6 | 496.9 | 567.0 | 1023.3 | 1627.7 |
| 77.5° | 143.3 | 144.9 | 171.3 | 274.1 | 419.0 | 470.4 | 462.6 | 462.6 | 471.9 | 521.8 | 696.2 |
| 80° | 95.0 | 96.6 | 113.7 | 190.0 | 367.6 | 428.3 | 473.5 | 451.7 | 453.3 | 461.0 | 473.5 |
| 82.5° | 49.8 | 53.0 | 67.0 | 115.3 | 214.9 | 289.7 | 394.1 | 411.2 | 405.0 | 412.8 | 409.6 |
| 85° | 14.0 | 14.0 | 23.4 | 43.6 | 105.9 | 112.1 | 174.4 | 238.3 | 243.0 | 275.7 | 294.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.2 | 14.0 | 15.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 59° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 |
| 2.5° | 1199.3 | 1193.1 | 1191.6 | 1188.4 | 1190.0 | 1185.3 | 1183.8 | 1177.5 | 1177.5 | 1174.4 | 1171.3 |
| 5° | 1207.1 | 1200.9 | 1207.1 | 1196.2 | 1197.8 | 1193.1 | 1185.3 | 1185.3 | 1179.1 | 1174.4 | 1165.1 |
| 7.5° | 1185.3 | 1185.3 | 1186.9 | 1180.6 | 1182.2 | 1180.6 | 1171.3 | 1169.7 | 1160.4 | 1160.4 | 1149.5 |
| 10° | 1144.8 | 1144.8 | 1151.1 | 1146.4 | 1147.9 | 1146.4 | 1141.7 | 1140.2 | 1137.0 | 1137.0 | 1119.9 |
| 12.5° | 1098.1 | 1107.4 | 1116.8 | 1112.1 | 1112.1 | 1115.2 | 1115.2 | 1116.8 | 1115.2 | 1113.7 | 1099.7 |
| 15° | 1059.2 | 1073.2 | 1082.5 | 1081.0 | 1082.5 | 1090.3 | 1093.4 | 1095.0 | 1099.7 | 1098.1 | 1085.6 |
| 17.5° | 1023.3 | 1038.9 | 1046.7 | 1052.9 | 1057.6 | 1063.8 | 1073.2 | 1077.8 | 1084.1 | 1082.5 | 1070.1 |
| 20° | 990.6 | 1004.6 | 1018.7 | 1026.4 | 1028.0 | 1040.5 | 1051.4 | 1065.4 | 1068.5 | 1071.6 | 1056.0 |
| 22.5° | 956.4 | 968.8 | 996.9 | 992.2 | 1003.1 | 1026.4 | 1032.7 | 1052.9 | 1052.9 | 1063.8 | 1042.0 |
| 25° | 926.8 | 928.3 | 971.9 | 964.1 | 973.5 | 1015.5 | 1020.2 | 1056.0 | 1046.7 | 1062.3 | 1037.4 |
| 27.5° | 897.2 | 895.6 | 948.6 | 939.2 | 950.1 | 1007.8 | 1010.9 | 1060.7 | 1051.4 | 1070.1 | 1037.4 |
| 30° | 875.4 | 870.7 | 931.4 | 912.7 | 928.3 | 1000.0 | 1001.5 | 1065.4 | 1057.6 | 1082.5 | 1048.3 |
| 32.5° | 870.7 | 862.9 | 915.9 | 901.8 | 917.4 | 992.2 | 1001.5 | 1082.5 | 1073.2 | 1104.3 | 1060.7 |
| 35° | 890.9 | 878.5 | 923.6 | 911.2 | 923.6 | 995.3 | 1009.3 | 1109.0 | 1098.1 | 1133.9 | 1090.3 |
| 37.5° | 928.3 | 919.0 | 956.4 | 943.9 | 953.2 | 1017.1 | 1029.6 | 1143.3 | 1141.7 | 1185.3 | 1135.5 |
| 40° | 993.7 | 984.4 | 1014.0 | 996.9 | 1004.6 | 1063.8 | 1070.1 | 1191.6 | 1196.2 | 1249.2 | 1199.3 |
| 42.5° | 1082.5 | 1066.9 | 1090.3 | 1070.1 | 1081.0 | 1133.9 | 1127.7 | 1250.7 | 1264.8 | 1338.0 | 1280.3 |
| 45° | 1196.2 | 1176.0 | 1190.0 | 1168.2 | 1176.0 | 1221.1 | 1204.0 | 1330.2 | 1344.2 | 1434.5 | 1383.1 |
| 47.5° | 1320.8 | 1295.9 | 1313.0 | 1285.0 | 1289.7 | 1338.0 | 1306.8 | 1425.2 | 1447.0 | 1560.7 | 1510.9 |
| 50° | 1470.4 | 1437.7 | 1443.9 | 1417.4 | 1420.5 | 1468.8 | 1434.5 | 1542.0 | 1568.5 | 1694.7 | 1651.0 |
| 52.5° | 1661.9 | 1615.2 | 1615.2 | 1579.4 | 1580.9 | 1629.2 | 1587.2 | 1680.6 | 1710.2 | 1838.0 | 1808.4 |
| 55° | 1914.3 | 1876.9 | 1869.1 | 1831.7 | 1819.3 | 1828.6 | 1769.4 | 1834.8 | 1867.5 | 1987.5 | 1964.1 |
| 57.5° | 2115.2 | 2110.5 | 2133.9 | 2080.9 | 2068.5 | 2071.6 | 1996.8 | 2001.5 | 2038.9 | 2132.3 | 2140.1 |
| 60° | 2359.7 | 2367.5 | 2370.6 | 2327.0 | 2322.4 | 2278.7 | 2202.4 | 2190.0 | 2236.7 | 2300.6 | 2325.5 |
| 62.5° | 2749.1 | 2741.3 | 2702.4 | 2669.7 | 2640.1 | 2523.3 | 2481.2 | 2412.7 | 2478.1 | 2513.9 | 2565.3 |
| 65° | 3585.6 | 3504.6 | 3255.4 | 3277.2 | 3199.3 | 2945.4 | 2909.6 | 2770.9 | 2873.7 | 2875.3 | 2971.9 |
| 67.5° | 4414.2 | 4573.1 | 4420.4 | 4423.5 | 4247.5 | 3788.0 | 3677.5 | 3401.8 | 3459.4 | 3392.4 | 3442.3 |
| 70° | 4555.9 | 4778.7 | 5196.1 | 5121.3 | 5112.0 | 4758.4 | 4386.2 | 3926.7 | 3753.8 | 3610.5 | 3495.2 |
| 72.5° | 3920.4 | 4143.2 | 4755.3 | 4585.5 | 4649.4 | 4756.9 | 4369.0 | 4024.8 | 3638.5 | 3456.3 | 3207.1 |
| 75° | 2758.5 | 3079.3 | 3700.8 | 3612.0 | 3658.8 | 3836.3 | 3503.0 | 3462.5 | 3015.5 | 2894.0 | 2510.8 |
| 77.5° | 1478.1 | 1875.3 | 2571.6 | 2462.5 | 2482.8 | 2584.0 | 2236.7 | 2165.0 | 1733.6 | 1613.7 | 1179.1 |
| 80° | 665.1 | 922.1 | 1443.9 | 1322.4 | 1286.6 | 1228.9 | 905.0 | 713.4 | 436.1 | 289.7 | 200.9 |
| 82.5° | 440.8 | 457.9 | 640.2 | 554.5 | 518.7 | 428.3 | 277.3 | 163.5 | 129.3 | 109.0 | 104.4 |
| 85° | 295.9 | 271.0 | 269.5 | 238.3 | 221.2 | 174.4 | 129.3 | 81.0 | 67.0 | 56.1 | 51.4 |
| 87.5° | 17.1 | 10.9 | 15.6 | 17.1 | 12.5 | 10.9 | 7.8 | 0.0 | 1.6 | 0.0 | 1.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 |
| 2.5° | 1163.5 | 1163.5 | 1162.0 | 1151.1 | 1144.8 | 1141.7 | 1130.8 | 1129.2 | 1124.6 | 1123.0 | 1123.0 |
| 5° | 1162.0 | 1155.7 | 1147.9 | 1132.4 | 1116.8 | 1102.8 | 1098.1 | 1087.2 | 1079.4 | 1070.1 | 1070.1 |
| 7.5° | 1140.2 | 1133.9 | 1116.8 | 1093.4 | 1073.2 | 1052.9 | 1042.0 | 1026.4 | 1014.0 | 1001.5 | 998.4 |
| 10° | 1115.2 | 1105.9 | 1082.5 | 1051.4 | 1024.9 | 989.1 | 975.0 | 954.8 | 940.8 | 922.1 | 903.4 |
| 12.5° | 1088.8 | 1082.5 | 1054.5 | 1018.7 | 978.2 | 933.0 | 911.2 | 883.2 | 864.5 | 842.7 | 814.6 |
| 15° | 1077.8 | 1065.4 | 1029.6 | 984.4 | 934.6 | 880.0 | 848.9 | 819.3 | 791.3 | 766.3 | 728.9 |
| 17.5° | 1063.8 | 1048.3 | 1007.8 | 954.8 | 892.5 | 827.1 | 786.6 | 753.9 | 716.5 | 690.0 | 648.0 |
| 20° | 1048.3 | 1024.9 | 981.3 | 917.4 | 847.3 | 769.4 | 718.0 | 685.3 | 635.5 | 609.0 | 559.2 |
| 22.5° | 1035.8 | 1006.2 | 953.2 | 881.6 | 797.5 | 710.3 | 649.5 | 612.1 | 556.1 | 524.9 | 462.6 |
| 25° | 1032.7 | 996.9 | 933.0 | 852.0 | 755.4 | 652.6 | 579.4 | 542.0 | 471.9 | 436.1 | 362.9 |
| 27.5° | 1034.2 | 992.2 | 920.5 | 827.1 | 718.0 | 601.2 | 514.0 | 470.4 | 381.6 | 344.2 | 260.1 |
| 30° | 1035.8 | 993.7 | 908.1 | 805.3 | 683.8 | 548.3 | 445.5 | 394.1 | 288.2 | 255.4 | 180.7 |
| 32.5° | 1051.4 | 1000.0 | 905.0 | 788.1 | 652.6 | 495.3 | 367.6 | 320.9 | 204.0 | 185.4 | 134.0 |
| 35° | 1070.1 | 1020.2 | 911.2 | 785.0 | 629.3 | 442.4 | 288.2 | 239.9 | 146.4 | 141.7 | 109.0 |
| 37.5° | 1109.0 | 1051.4 | 936.1 | 792.8 | 615.2 | 387.8 | 214.9 | 183.8 | 115.3 | 118.4 | 95.0 |
| 40° | 1168.2 | 1104.3 | 976.6 | 816.2 | 613.7 | 333.3 | 158.9 | 143.3 | 99.7 | 102.8 | 87.2 |
| 42.5° | 1247.6 | 1177.5 | 1038.9 | 866.0 | 621.5 | 281.9 | 127.7 | 123.0 | 91.9 | 95.0 | 84.1 |
| 45° | 1352.0 | 1280.3 | 1126.1 | 929.9 | 643.3 | 239.9 | 112.1 | 112.1 | 88.8 | 91.9 | 82.6 |
| 47.5° | 1484.4 | 1404.9 | 1233.6 | 1015.5 | 677.5 | 216.5 | 105.9 | 107.5 | 87.2 | 91.9 | 82.6 |
| 50° | 1633.9 | 1546.7 | 1370.7 | 1126.1 | 730.5 | 210.3 | 107.5 | 107.5 | 88.8 | 91.9 | 82.6 |
| 52.5° | 1789.7 | 1708.7 | 1518.6 | 1252.3 | 803.7 | 224.3 | 110.6 | 109.0 | 88.8 | 91.9 | 81.0 |
| 55° | 1948.5 | 1875.3 | 1682.2 | 1400.3 | 905.0 | 274.1 | 118.4 | 113.7 | 88.8 | 91.9 | 82.6 |
| 57.5° | 2107.4 | 2056.0 | 1853.5 | 1559.1 | 1031.1 | 364.5 | 149.5 | 132.4 | 98.1 | 99.7 | 84.1 |
| 60° | 2286.5 | 2249.2 | 2046.7 | 1767.9 | 1210.2 | 504.7 | 219.6 | 166.7 | 116.8 | 110.6 | 90.3 |
| 62.5° | 2518.6 | 2509.3 | 2348.8 | 2068.5 | 1498.4 | 707.1 | 311.5 | 202.5 | 126.2 | 115.3 | 96.6 |
| 65° | 2928.3 | 2953.2 | 2800.5 | 2420.5 | 1690.0 | 711.8 | 303.7 | 177.6 | 118.4 | 109.0 | 95.0 |
| 67.5° | 3339.5 | 3266.3 | 2873.7 | 2367.5 | 1524.9 | 473.5 | 193.1 | 138.6 | 104.4 | 101.2 | 88.8 |
| 70° | 3323.9 | 3124.5 | 2605.8 | 2070.0 | 1204.0 | 257.0 | 140.2 | 115.3 | 93.5 | 93.5 | 84.1 |
| 72.5° | 2981.2 | 2685.3 | 2130.8 | 1638.6 | 803.7 | 163.5 | 118.4 | 101.2 | 85.7 | 84.1 | 77.9 |
| 75° | 2244.5 | 1895.6 | 1369.1 | 943.9 | 358.2 | 105.9 | 90.3 | 82.6 | 74.8 | 74.8 | 68.5 |
| 77.5° | 1056.0 | 595.0 | 330.2 | 219.6 | 119.9 | 71.6 | 62.3 | 62.3 | 60.7 | 62.3 | 56.1 |
| 80° | 143.3 | 129.3 | 110.6 | 96.6 | 73.2 | 49.8 | 45.2 | 46.7 | 45.2 | 46.7 | 42.1 |
| 82.5° | 87.2 | 77.9 | 63.9 | 60.7 | 45.2 | 34.3 | 32.7 | 34.3 | 31.2 | 32.7 | 24.9 |
| 85° | 42.1 | 37.4 | 29.6 | 28.0 | 23.4 | 20.2 | 17.1 | 20.2 | 15.6 | 17.1 | 10.9 |
| 87.5° | 0.0 | 3.1 | 1.6 | 3.1 | 3.1 | 3.1 | 0.0 | 3.1 | 0.0 | 3.1 | 0.0 |
| 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: ISS-AF-1000-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 | 1162.0 |
| 2.5° | 1115.2 | 1110.6 | 1109.0 | 1102.8 | 1101.2 | 1095.0 | 1093.4 | 1087.2 | 1076.3 | 1071.6 | 1063.8 |
| 5° | 1056.0 | 1048.3 | 1042.0 | 1038.9 | 1026.4 | 1020.2 | 1010.9 | 998.4 | 975.0 | 964.1 | 945.5 |
| 7.5° | 973.5 | 971.9 | 953.2 | 947.0 | 931.4 | 920.5 | 906.5 | 886.3 | 852.0 | 831.8 | 802.2 |
| 10° | 883.2 | 876.9 | 855.1 | 842.7 | 822.4 | 806.8 | 788.1 | 758.5 | 705.6 | 663.5 | 618.4 |
| 12.5° | 799.0 | 780.4 | 755.4 | 736.7 | 711.8 | 690.0 | 668.2 | 623.0 | 538.9 | 470.4 | 408.1 |
| 15° | 711.8 | 683.8 | 657.3 | 626.1 | 599.7 | 565.4 | 540.5 | 481.3 | 370.7 | 286.6 | 247.7 |
| 17.5° | 623.0 | 584.1 | 554.5 | 512.4 | 482.9 | 436.1 | 409.6 | 338.0 | 243.0 | 205.6 | 193.1 |
| 20° | 529.6 | 478.2 | 445.5 | 394.1 | 364.5 | 305.3 | 285.0 | 233.6 | 186.9 | 172.9 | 169.8 |
| 22.5° | 429.9 | 367.6 | 331.8 | 275.7 | 255.4 | 219.6 | 204.0 | 179.1 | 157.3 | 151.1 | 154.2 |
| 25° | 325.5 | 258.6 | 235.2 | 194.7 | 186.9 | 168.2 | 162.0 | 149.5 | 138.6 | 138.6 | 143.3 |
| 27.5° | 232.1 | 180.7 | 174.4 | 149.5 | 148.0 | 138.6 | 134.0 | 127.7 | 124.6 | 127.7 | 134.0 |
| 30° | 169.8 | 137.1 | 137.1 | 123.0 | 123.0 | 116.8 | 115.3 | 112.1 | 112.1 | 118.4 | 124.6 |
| 32.5° | 134.0 | 112.1 | 115.3 | 104.4 | 105.9 | 101.2 | 102.8 | 101.2 | 102.8 | 107.5 | 112.1 |
| 35° | 112.1 | 96.6 | 101.2 | 91.9 | 95.0 | 90.3 | 93.5 | 93.5 | 96.6 | 98.1 | 99.7 |
| 37.5° | 99.7 | 88.8 | 91.9 | 85.7 | 88.8 | 84.1 | 88.8 | 88.8 | 90.3 | 90.3 | 90.3 |
| 40° | 91.9 | 82.6 | 87.2 | 81.0 | 85.7 | 81.0 | 85.7 | 85.7 | 84.1 | 82.6 | 84.1 |
| 42.5° | 87.2 | 81.0 | 85.7 | 79.4 | 84.1 | 79.4 | 82.6 | 81.0 | 77.9 | 77.9 | 77.9 |
| 45° | 85.7 | 79.4 | 82.6 | 77.9 | 81.0 | 76.3 | 79.4 | 77.9 | 73.2 | 71.6 | 74.8 |
| 47.5° | 85.7 | 77.9 | 82.6 | 76.3 | 79.4 | 74.8 | 77.9 | 73.2 | 68.5 | 68.5 | 73.2 |
| 50° | 85.7 | 77.9 | 82.6 | 76.3 | 79.4 | 73.2 | 74.8 | 70.1 | 63.9 | 65.4 | 71.6 |
| 52.5° | 87.2 | 81.0 | 84.1 | 77.9 | 79.4 | 70.1 | 73.2 | 67.0 | 62.3 | 63.9 | 68.5 |
| 55° | 88.8 | 81.0 | 84.1 | 74.8 | 76.3 | 70.1 | 70.1 | 67.0 | 62.3 | 62.3 | 67.0 |
| 57.5° | 88.8 | 79.4 | 81.0 | 73.2 | 74.8 | 67.0 | 68.5 | 65.4 | 60.7 | 59.2 | 62.3 |
| 60° | 91.9 | 82.6 | 82.6 | 71.6 | 73.2 | 65.4 | 67.0 | 63.9 | 59.2 | 56.1 | 57.6 |
| 62.5° | 95.0 | 84.1 | 85.7 | 74.8 | 74.8 | 67.0 | 68.5 | 62.3 | 56.1 | 53.0 | 54.5 |
| 65° | 95.0 | 84.1 | 85.7 | 76.3 | 76.3 | 68.5 | 68.5 | 62.3 | 53.0 | 49.8 | 49.8 |
| 67.5° | 90.3 | 82.6 | 84.1 | 76.3 | 76.3 | 68.5 | 68.5 | 60.7 | 51.4 | 46.7 | 45.2 |
| 70° | 87.2 | 79.4 | 81.0 | 71.6 | 73.2 | 65.4 | 65.4 | 57.6 | 48.3 | 43.6 | 40.5 |
| 72.5° | 79.4 | 73.2 | 73.2 | 67.0 | 65.4 | 57.6 | 57.6 | 53.0 | 45.2 | 38.9 | 35.8 |
| 75° | 68.5 | 62.3 | 60.7 | 54.5 | 54.5 | 49.8 | 48.3 | 43.6 | 37.4 | 32.7 | 31.2 |
| 77.5° | 56.1 | 48.3 | 48.3 | 40.5 | 40.5 | 35.8 | 37.4 | 32.7 | 28.0 | 26.5 | 24.9 |
| 80° | 40.5 | 32.7 | 32.7 | 26.5 | 26.5 | 21.8 | 23.4 | 21.8 | 20.2 | 20.2 | 18.7 |
| 82.5° | 24.9 | 17.1 | 18.7 | 14.0 | 17.1 | 12.5 | 14.0 | 12.5 | 12.5 | 10.9 | 10.9 |
| 85° | 12.5 | 6.2 | 9.3 | 4.7 | 7.8 | 1.6 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 |
| 87.5° | 1.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: ISS-AF-1000-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|--------|--------|
| 0° | 1162.0 | 1162.0 |
| 2.5° | 1056.0 | 1060.7 |
| 5° | 939.2 | 940.8 |
| 7.5° | 797.5 | 794.4 |
| 10° | 609.0 | 601.2 |
| 12.5° | 392.5 | 381.6 |
| 15° | 236.8 | 233.6 |
| 17.5° | 190.0 | 190.0 |
| 20° | 169.8 | 169.8 |
| 22.5° | 157.3 | 157.3 |
| 25° | 148.0 | 149.5 |
| 27.5° | 140.2 | 140.2 |
| 30° | 130.8 | 130.8 |
| 32.5° | 115.3 | 115.3 |
| 35° | 102.8 | 101.2 |
| 37.5° | 91.9 | 93.5 |
| 40° | 84.1 | 85.7 |
| 42.5° | 81.0 | 81.0 |
| 45° | 77.9 | 77.9 |
| 47.5° | 77.9 | 77.9 |
| 50° | 76.3 | 77.9 |
| 52.5° | 74.8 | 74.8 |
| 55° | 70.1 | 71.6 |
| 57.5° | 65.4 | 67.0 |
| 60° | 60.7 | 60.7 |
| 62.5° | 54.5 | 54.5 |
| 65° | 49.8 | 49.8 |
| 67.5° | 43.6 | 43.6 |
| 70° | 38.9 | 38.9 |
| 72.5° | 34.3 | 34.3 |
| 75° | 29.6 | 29.6 |
| 77.5° | 24.9 | 23.4 |
| 80° | 18.7 | 18.7 |
| 82.5° | 10.9 | 10.9 |
| 85° | 3.1 | 3.1 |
| 87.5° | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)