

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: P228286

Luminaire Tested: **ISC-AF-800-LED-E1-SL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228286
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: ISC-AF-800-LED-E1-SL3-7030
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4029 lumens
Efficiency: N/A
Efficacy: 92.6 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 - G1

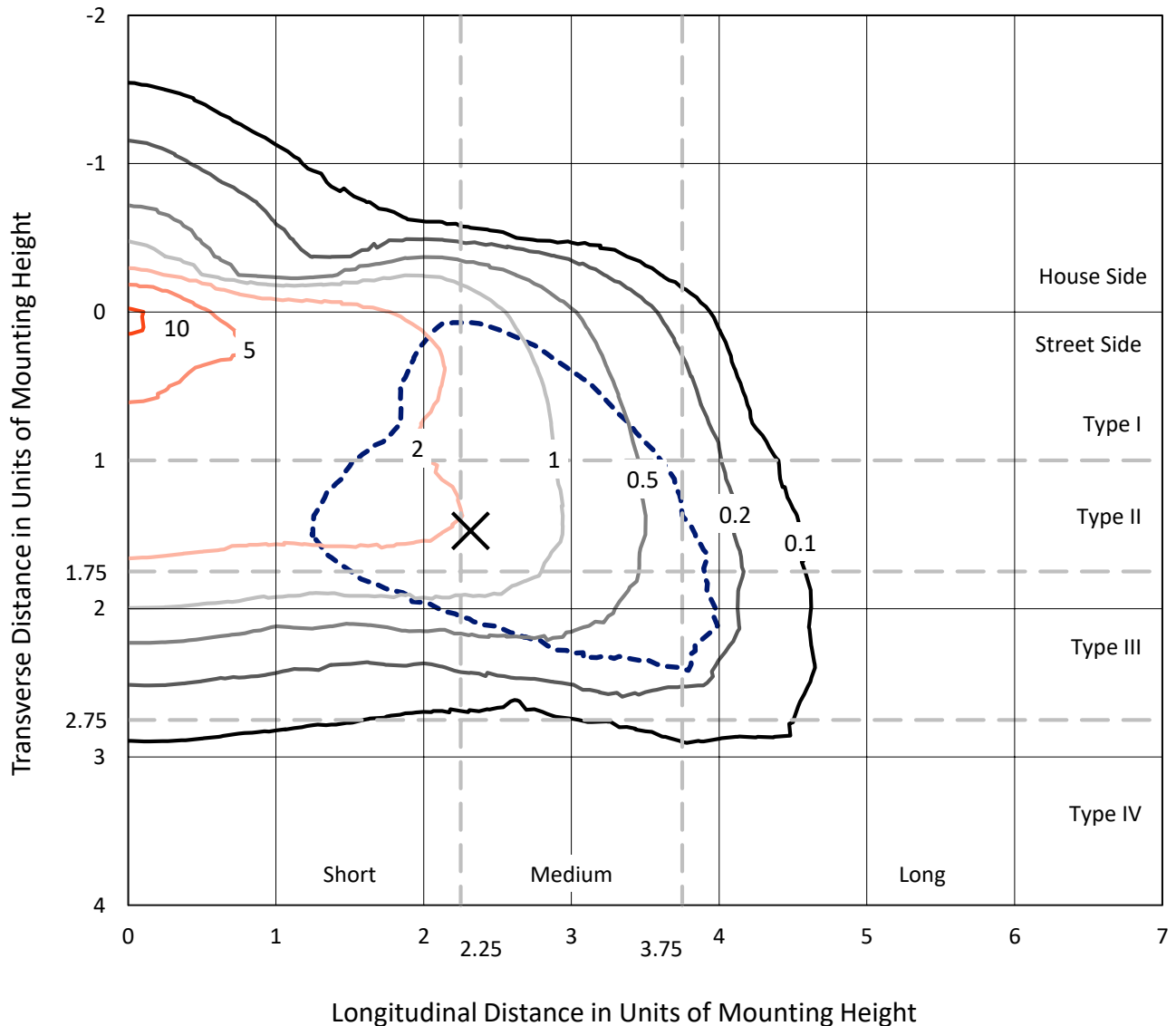
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

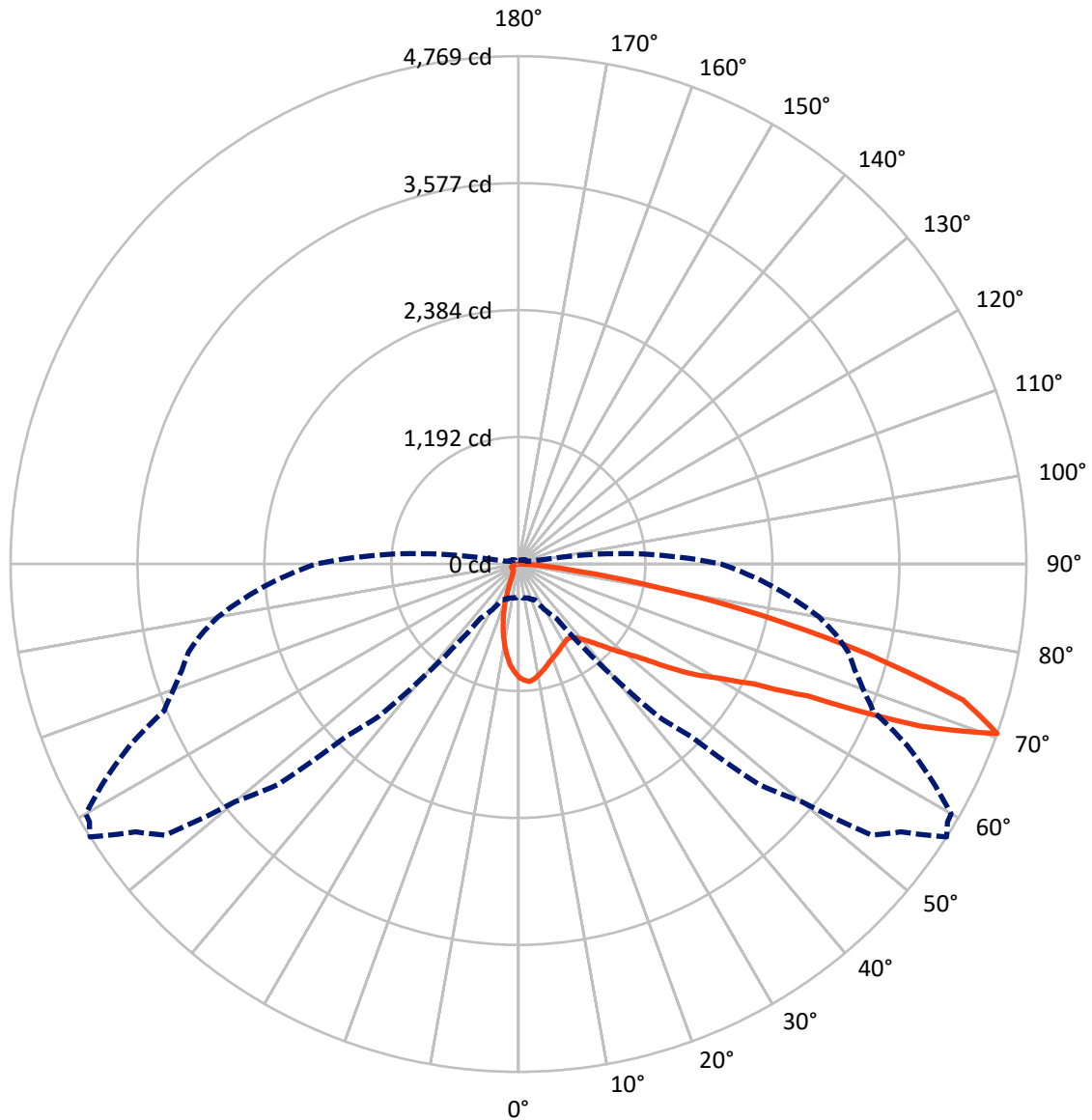
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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 | 498.6 | 0.0 | 498.6 |
| | % Fixture | 12.4 | 0.0 | 12.4 |
| Street Side | Lumens | 3530.4 | 0.0 | 3530.4 |
| | % Fixture | 87.6 | 0.0 | 87.6 |
| Total | Lumens | 4029.0 | 0.0 | 4029.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.1 | 2.3 |
| 10°-20° | 199.9 | 5.0 |
| 20°-30° | 251.2 | 6.2 |
| 30°-40° | 328.3 | 8.1 |
| 40°-50° | 492.6 | 12.2 |
| 50°-60° | 778.7 | 19.3 |
| 60°-70° | 1122.5 | 27.9 |
| 70°-80° | 694.7 | 17.2 |
| 80°-90° | 68.9 | 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° | 4029.0 | 100.0 |
| 0°-180° | 4029.0 | 100.0 |



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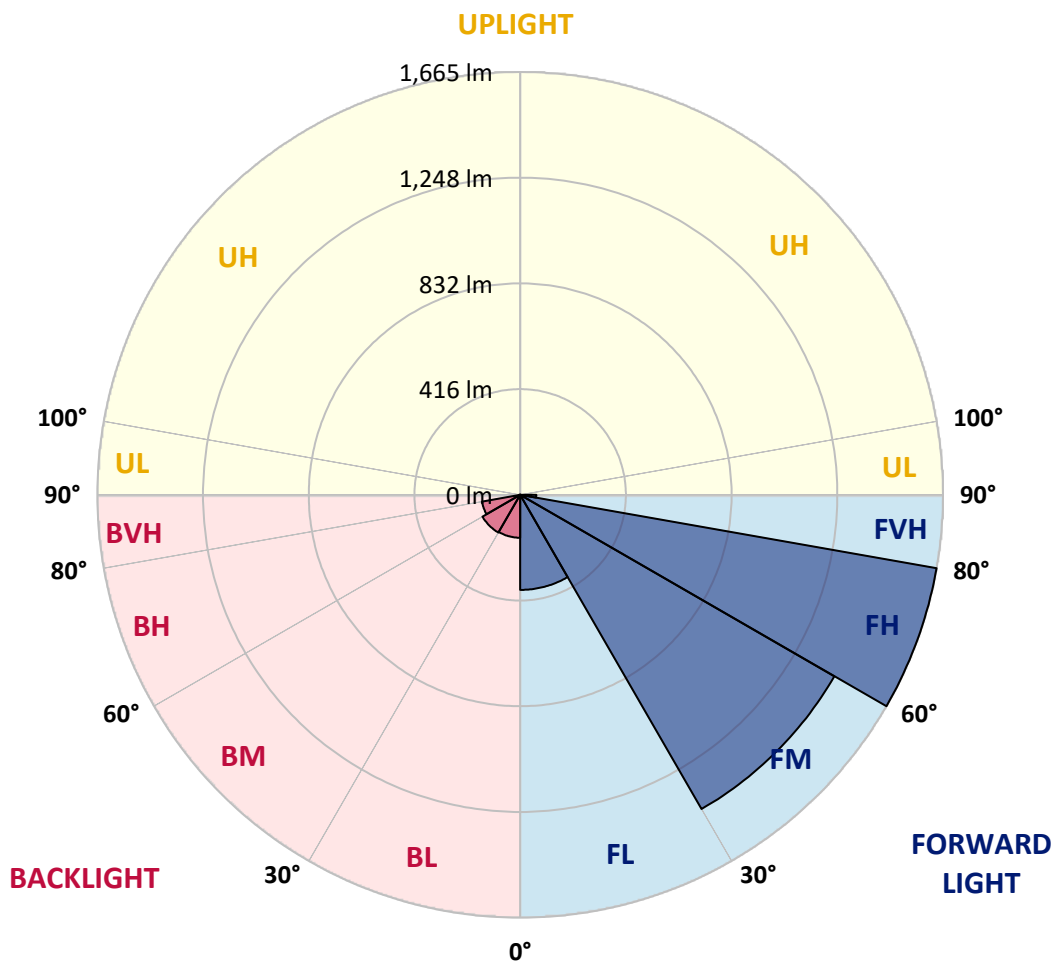
CATALOG NUMBER: ISC-AF-800-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 374.2 | 9.3 | | | |
| FM | (30°-60°) | 1428.2 | 35.4 | | | |
| FH | (60°-80°) | 1664.6 | 41.3 | | | G1/1800 |
| FVH | (80°-90°) | 63.4 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 169.0 | 4.2 | B1/500 | | |
| BM | (30°-60°) | 171.4 | 4.3 | B0/220 | | |
| BH | (60°-80°) | 152.6 | 3.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 5.5 | 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-G1

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° | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 |
| 2.5° | 1119.3 | 1117.9 | 1115.0 | 1109.3 | 1106.4 | 1109.3 | 1106.4 | 1102.1 | 1096.4 | 1100.7 | 1097.9 |
| 5° | 1116.4 | 1119.3 | 1113.6 | 1109.3 | 1116.4 | 1119.3 | 1113.6 | 1113.6 | 1107.9 | 1113.6 | 1110.7 |
| 7.5° | 1060.7 | 1062.1 | 1063.5 | 1062.1 | 1080.7 | 1080.7 | 1077.8 | 1080.7 | 1082.1 | 1085.0 | 1086.4 |
| 10° | 990.6 | 992.1 | 994.9 | 999.2 | 1022.1 | 1025.0 | 1026.4 | 1029.2 | 1033.5 | 1036.4 | 1045.0 |
| 12.5° | 920.6 | 923.5 | 929.2 | 943.5 | 967.8 | 970.6 | 974.9 | 979.2 | 986.4 | 990.6 | 1006.4 |
| 15° | 862.0 | 863.4 | 869.1 | 884.9 | 920.6 | 927.7 | 930.6 | 936.3 | 950.6 | 950.6 | 967.8 |
| 17.5° | 807.7 | 810.5 | 814.8 | 833.4 | 869.1 | 880.6 | 889.1 | 892.0 | 910.6 | 914.9 | 934.9 |
| 20° | 766.2 | 767.6 | 769.1 | 786.2 | 819.1 | 836.3 | 843.4 | 854.8 | 869.1 | 880.6 | 897.7 |
| 22.5° | 743.3 | 744.8 | 741.9 | 749.1 | 777.6 | 799.1 | 807.7 | 819.1 | 824.8 | 844.8 | 854.8 |
| 25° | 744.8 | 746.2 | 739.1 | 734.8 | 749.1 | 771.9 | 779.1 | 790.5 | 787.7 | 816.2 | 816.2 |
| 27.5° | 759.1 | 761.9 | 754.8 | 741.9 | 743.3 | 761.9 | 766.2 | 770.5 | 761.9 | 790.5 | 784.8 |
| 30° | 787.7 | 790.5 | 781.9 | 771.9 | 756.2 | 767.6 | 767.6 | 767.6 | 751.9 | 776.2 | 766.2 |
| 32.5° | 817.7 | 820.5 | 817.7 | 810.5 | 790.5 | 793.4 | 787.7 | 784.8 | 763.4 | 783.4 | 767.6 |
| 35° | 862.0 | 863.4 | 864.8 | 864.8 | 836.3 | 842.0 | 826.3 | 817.7 | 797.7 | 813.4 | 791.9 |
| 37.5° | 914.9 | 914.9 | 924.9 | 929.2 | 897.7 | 897.7 | 880.6 | 869.1 | 850.6 | 856.3 | 834.8 |
| 40° | 962.1 | 966.3 | 989.2 | 1002.1 | 973.5 | 962.1 | 947.8 | 937.8 | 923.5 | 923.5 | 902.0 |
| 42.5° | 1016.4 | 1025.0 | 1052.1 | 1076.4 | 1060.7 | 1043.5 | 1029.2 | 1019.2 | 1012.1 | 1010.7 | 987.8 |
| 45° | 1083.6 | 1093.6 | 1123.6 | 1146.5 | 1150.7 | 1137.9 | 1126.4 | 1116.4 | 1110.7 | 1107.9 | 1087.9 |
| 47.5° | 1159.3 | 1169.3 | 1196.5 | 1223.7 | 1243.7 | 1240.8 | 1227.9 | 1217.9 | 1222.2 | 1219.4 | 1206.5 |
| 50° | 1243.7 | 1249.4 | 1266.5 | 1298.0 | 1343.7 | 1353.7 | 1350.9 | 1343.7 | 1352.3 | 1352.3 | 1340.9 |
| 52.5° | 1310.9 | 1315.1 | 1328.0 | 1365.2 | 1440.9 | 1463.8 | 1482.4 | 1496.7 | 1511.0 | 1519.6 | 1512.4 |
| 55° | 1372.3 | 1372.3 | 1373.8 | 1420.9 | 1533.9 | 1571.0 | 1612.5 | 1642.5 | 1661.1 | 1695.4 | 1709.7 |
| 57.5° | 1472.4 | 1465.2 | 1463.8 | 1513.8 | 1645.4 | 1684.0 | 1744.0 | 1786.9 | 1812.6 | 1882.7 | 1881.2 |
| 60° | 1443.8 | 1446.7 | 1498.1 | 1645.4 | 1874.1 | 1908.4 | 1962.7 | 2008.4 | 2057.1 | 2108.5 | 2112.8 |
| 62.5° | 1245.1 | 1252.2 | 1329.4 | 1549.6 | 2019.9 | 2198.6 | 2365.8 | 2493.0 | 2564.5 | 2610.3 | 2547.4 |
| 65° | 872.0 | 889.1 | 993.5 | 1262.2 | 1859.8 | 2135.7 | 2400.1 | 2694.6 | 2920.5 | 3270.7 | 3372.2 |
| 67.5° | 434.6 | 447.4 | 464.6 | 661.9 | 1389.5 | 1776.9 | 2141.4 | 2543.1 | 2843.3 | 3357.9 | 3645.2 |
| 70° | 311.6 | 317.3 | 330.2 | 371.7 | 621.8 | 930.6 | 1359.5 | 1934.1 | 2287.2 | 3063.4 | 3469.4 |
| 72.5° | 241.6 | 247.3 | 264.5 | 323.1 | 411.7 | 454.6 | 540.4 | 883.4 | 1313.7 | 2115.7 | 2664.6 |
| 75° | 187.3 | 195.8 | 220.1 | 291.6 | 396.0 | 420.3 | 424.6 | 456.0 | 520.3 | 939.2 | 1493.8 |
| 77.5° | 131.5 | 132.9 | 157.2 | 251.6 | 384.5 | 431.7 | 424.6 | 424.6 | 433.1 | 478.9 | 639.0 |
| 80° | 87.2 | 88.6 | 104.4 | 174.4 | 337.4 | 393.1 | 434.6 | 414.6 | 416.0 | 423.1 | 434.6 |
| 82.5° | 45.7 | 48.6 | 61.5 | 105.8 | 197.3 | 265.9 | 361.7 | 377.4 | 371.7 | 378.8 | 376.0 |
| 85° | 12.9 | 12.9 | 21.4 | 40.0 | 97.2 | 102.9 | 160.1 | 218.7 | 223.0 | 253.0 | 270.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 5.7 | 12.9 | 14.3 |
| 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° | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 |
| 2.5° | 1100.7 | 1095.0 | 1093.6 | 1090.7 | 1092.1 | 1087.9 | 1086.4 | 1080.7 | 1080.7 | 1077.8 | 1075.0 |
| 5° | 1107.9 | 1102.1 | 1107.9 | 1097.9 | 1099.3 | 1095.0 | 1087.9 | 1087.9 | 1082.1 | 1077.8 | 1069.3 |
| 7.5° | 1087.9 | 1087.9 | 1089.3 | 1083.6 | 1085.0 | 1083.6 | 1075.0 | 1073.6 | 1065.0 | 1065.0 | 1055.0 |
| 10° | 1050.7 | 1050.7 | 1056.4 | 1052.1 | 1053.5 | 1052.1 | 1047.8 | 1046.4 | 1043.5 | 1043.5 | 1027.8 |
| 12.5° | 1007.8 | 1016.4 | 1025.0 | 1020.7 | 1020.7 | 1023.5 | 1023.5 | 1025.0 | 1023.5 | 1022.1 | 1009.2 |
| 15° | 972.1 | 984.9 | 993.5 | 992.1 | 993.5 | 1000.7 | 1003.5 | 1004.9 | 1009.2 | 1007.8 | 996.4 |
| 17.5° | 939.2 | 953.5 | 960.6 | 966.3 | 970.6 | 976.3 | 984.9 | 989.2 | 994.9 | 993.5 | 982.1 |
| 20° | 909.2 | 922.0 | 934.9 | 942.0 | 943.5 | 954.9 | 964.9 | 977.8 | 980.6 | 983.5 | 969.2 |
| 22.5° | 877.7 | 889.1 | 914.9 | 910.6 | 920.6 | 942.0 | 947.8 | 966.3 | 966.3 | 976.3 | 956.3 |
| 25° | 850.6 | 852.0 | 892.0 | 884.9 | 893.4 | 932.0 | 936.3 | 969.2 | 960.6 | 974.9 | 952.0 |
| 27.5° | 823.4 | 822.0 | 870.6 | 862.0 | 872.0 | 924.9 | 927.7 | 973.5 | 964.9 | 982.1 | 952.0 |
| 30° | 803.4 | 799.1 | 854.8 | 837.7 | 852.0 | 917.7 | 919.2 | 977.8 | 970.6 | 993.5 | 962.1 |
| 32.5° | 799.1 | 791.9 | 840.5 | 827.7 | 842.0 | 910.6 | 919.2 | 993.5 | 984.9 | 1013.5 | 973.5 |
| 35° | 817.7 | 806.2 | 847.7 | 836.3 | 847.7 | 913.5 | 926.3 | 1017.8 | 1007.8 | 1040.7 | 1000.7 |
| 37.5° | 852.0 | 843.4 | 877.7 | 866.3 | 874.9 | 933.5 | 944.9 | 1049.3 | 1047.8 | 1087.9 | 1042.1 |
| 40° | 912.0 | 903.4 | 930.6 | 914.9 | 922.0 | 976.3 | 982.1 | 1093.6 | 1097.9 | 1146.5 | 1100.7 |
| 42.5° | 993.5 | 979.2 | 1000.7 | 982.1 | 992.1 | 1040.7 | 1035.0 | 1147.9 | 1160.8 | 1227.9 | 1175.0 |
| 45° | 1097.9 | 1079.3 | 1092.1 | 1072.1 | 1079.3 | 1120.7 | 1105.0 | 1220.8 | 1233.7 | 1316.6 | 1269.4 |
| 47.5° | 1212.2 | 1189.3 | 1205.1 | 1179.3 | 1183.6 | 1227.9 | 1199.4 | 1308.0 | 1328.0 | 1432.4 | 1386.6 |
| 50° | 1349.4 | 1319.4 | 1325.1 | 1300.8 | 1303.7 | 1348.0 | 1316.6 | 1415.2 | 1439.5 | 1555.3 | 1515.3 |
| 52.5° | 1525.3 | 1482.4 | 1482.4 | 1449.5 | 1450.9 | 1495.3 | 1456.7 | 1542.4 | 1569.6 | 1686.8 | 1659.7 |
| 55° | 1756.9 | 1722.5 | 1715.4 | 1681.1 | 1669.7 | 1678.2 | 1623.9 | 1684.0 | 1714.0 | 1824.0 | 1802.6 |
| 57.5° | 1941.3 | 1937.0 | 1958.4 | 1909.8 | 1898.4 | 1901.2 | 1832.6 | 1836.9 | 1871.2 | 1957.0 | 1964.1 |
| 60° | 2165.7 | 2172.8 | 2175.7 | 2135.7 | 2131.4 | 2091.4 | 2021.3 | 2009.9 | 2052.8 | 2111.4 | 2134.2 |
| 62.5° | 2523.1 | 2515.9 | 2480.2 | 2450.2 | 2423.0 | 2315.8 | 2277.2 | 2214.3 | 2274.3 | 2307.2 | 2354.4 |
| 65° | 3290.7 | 3216.4 | 2987.7 | 3007.7 | 2936.2 | 2703.2 | 2670.3 | 2543.1 | 2637.4 | 2638.9 | 2727.5 |
| 67.5° | 4051.2 | 4197.0 | 4056.9 | 4059.8 | 3898.2 | 3476.5 | 3375.1 | 3122.0 | 3174.9 | 3113.5 | 3159.2 |
| 70° | 4181.3 | 4385.7 | 4768.8 | 4700.2 | 4691.6 | 4367.1 | 4025.5 | 3603.8 | 3445.1 | 3313.6 | 3207.8 |
| 72.5° | 3598.1 | 3802.5 | 4364.3 | 4208.5 | 4267.1 | 4365.7 | 4009.8 | 3693.8 | 3339.3 | 3172.1 | 2943.3 |
| 75° | 2531.6 | 2826.1 | 3396.5 | 3315.0 | 3357.9 | 3520.9 | 3214.9 | 3177.8 | 2767.5 | 2656.0 | 2304.4 |
| 77.5° | 1356.6 | 1721.1 | 2360.1 | 2260.0 | 2278.6 | 2371.5 | 2052.8 | 1987.0 | 1591.0 | 1481.0 | 1082.1 |
| 80° | 610.4 | 846.3 | 1325.1 | 1213.6 | 1180.8 | 1127.9 | 830.5 | 654.7 | 400.3 | 265.9 | 184.4 |
| 82.5° | 404.5 | 420.3 | 587.5 | 508.9 | 476.0 | 393.1 | 254.5 | 150.1 | 118.6 | 100.1 | 95.8 |
| 85° | 271.6 | 248.7 | 247.3 | 218.7 | 203.0 | 160.1 | 118.6 | 74.3 | 61.5 | 51.5 | 47.2 |
| 87.5° | 15.7 | 10.0 | 14.3 | 15.7 | 11.4 | 10.0 | 7.1 | 0.0 | 1.4 | 0.0 | 1.4 |
| 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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CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 |
| 2.5° | 1067.8 | 1067.8 | 1066.4 | 1056.4 | 1050.7 | 1047.8 | 1037.8 | 1036.4 | 1032.1 | 1030.7 | 1030.7 |
| 5° | 1066.4 | 1060.7 | 1053.5 | 1039.2 | 1025.0 | 1012.1 | 1007.8 | 997.8 | 990.6 | 982.1 | 982.1 |
| 7.5° | 1046.4 | 1040.7 | 1025.0 | 1003.5 | 984.9 | 966.3 | 956.3 | 942.0 | 930.6 | 919.2 | 916.3 |
| 10° | 1023.5 | 1014.9 | 993.5 | 964.9 | 940.6 | 907.7 | 894.9 | 876.3 | 863.4 | 846.3 | 829.1 |
| 12.5° | 999.2 | 993.5 | 967.8 | 934.9 | 897.7 | 856.3 | 836.3 | 810.5 | 793.4 | 773.4 | 747.6 |
| 15° | 989.2 | 977.8 | 944.9 | 903.4 | 857.7 | 807.7 | 779.1 | 751.9 | 726.2 | 703.3 | 669.0 |
| 17.5° | 976.3 | 962.1 | 924.9 | 876.3 | 819.1 | 759.1 | 721.9 | 691.9 | 657.6 | 633.3 | 594.7 |
| 20° | 962.1 | 940.6 | 900.6 | 842.0 | 777.6 | 706.2 | 659.0 | 629.0 | 583.2 | 558.9 | 513.2 |
| 22.5° | 950.6 | 923.5 | 874.9 | 809.1 | 731.9 | 651.9 | 596.1 | 561.8 | 510.3 | 481.7 | 424.6 |
| 25° | 947.8 | 914.9 | 856.3 | 781.9 | 693.3 | 599.0 | 531.8 | 497.5 | 433.1 | 400.3 | 333.1 |
| 27.5° | 949.2 | 910.6 | 844.8 | 759.1 | 659.0 | 551.8 | 471.7 | 431.7 | 350.2 | 315.9 | 238.7 |
| 30° | 950.6 | 912.0 | 833.4 | 739.1 | 627.6 | 503.2 | 408.8 | 361.7 | 264.5 | 234.4 | 165.8 |
| 32.5° | 964.9 | 917.7 | 830.5 | 723.3 | 599.0 | 454.6 | 337.4 | 294.5 | 187.3 | 170.1 | 122.9 |
| 35° | 982.1 | 936.3 | 836.3 | 720.5 | 577.5 | 406.0 | 264.5 | 220.1 | 134.4 | 130.1 | 100.1 |
| 37.5° | 1017.8 | 964.9 | 859.1 | 727.6 | 564.7 | 355.9 | 197.3 | 168.7 | 105.8 | 108.6 | 87.2 |
| 40° | 1072.1 | 1013.5 | 896.3 | 749.1 | 563.2 | 305.9 | 145.8 | 131.5 | 91.5 | 94.3 | 80.1 |
| 42.5° | 1145.0 | 1080.7 | 953.5 | 794.8 | 570.4 | 258.7 | 117.2 | 112.9 | 84.3 | 87.2 | 77.2 |
| 45° | 1240.8 | 1175.0 | 1033.5 | 853.4 | 590.4 | 220.1 | 102.9 | 102.9 | 81.5 | 84.3 | 75.8 |
| 47.5° | 1362.3 | 1289.4 | 1132.2 | 932.0 | 621.8 | 198.7 | 97.2 | 98.6 | 80.1 | 84.3 | 75.8 |
| 50° | 1499.5 | 1419.5 | 1258.0 | 1033.5 | 670.4 | 193.0 | 98.6 | 98.6 | 81.5 | 84.3 | 75.8 |
| 52.5° | 1642.5 | 1568.2 | 1393.8 | 1149.3 | 737.6 | 205.8 | 101.5 | 100.1 | 81.5 | 84.3 | 74.3 |
| 55° | 1788.3 | 1721.1 | 1543.9 | 1285.1 | 830.5 | 251.6 | 108.6 | 104.4 | 81.5 | 84.3 | 75.8 |
| 57.5° | 1934.1 | 1886.9 | 1701.1 | 1430.9 | 946.3 | 334.5 | 137.2 | 121.5 | 90.1 | 91.5 | 77.2 |
| 60° | 2098.5 | 2064.2 | 1878.4 | 1622.5 | 1110.7 | 463.2 | 201.6 | 153.0 | 107.2 | 101.5 | 82.9 |
| 62.5° | 2311.5 | 2302.9 | 2155.7 | 1898.4 | 1375.2 | 649.0 | 285.9 | 185.8 | 115.8 | 105.8 | 88.6 |
| 65° | 2687.5 | 2710.3 | 2570.2 | 2221.4 | 1551.0 | 653.3 | 278.8 | 163.0 | 108.6 | 100.1 | 87.2 |
| 67.5° | 3064.9 | 2997.7 | 2637.4 | 2172.8 | 1399.5 | 434.6 | 177.3 | 127.2 | 95.8 | 92.9 | 81.5 |
| 70° | 3050.6 | 2867.6 | 2391.6 | 1899.8 | 1105.0 | 235.9 | 128.7 | 105.8 | 85.8 | 85.8 | 77.2 |
| 72.5° | 2736.1 | 2464.5 | 1955.6 | 1503.8 | 737.6 | 150.1 | 108.6 | 92.9 | 78.6 | 77.2 | 71.5 |
| 75° | 2059.9 | 1739.7 | 1256.5 | 866.3 | 328.8 | 97.2 | 82.9 | 75.8 | 68.6 | 68.6 | 62.9 |
| 77.5° | 969.2 | 546.1 | 303.1 | 201.6 | 110.1 | 65.8 | 57.2 | 57.2 | 55.8 | 57.2 | 51.5 |
| 80° | 131.5 | 118.6 | 101.5 | 88.6 | 67.2 | 45.7 | 41.5 | 42.9 | 41.5 | 42.9 | 38.6 |
| 82.5° | 80.1 | 71.5 | 58.6 | 55.8 | 41.5 | 31.4 | 30.0 | 31.4 | 28.6 | 30.0 | 22.9 |
| 85° | 38.6 | 34.3 | 27.2 | 25.7 | 21.4 | 18.6 | 15.7 | 18.6 | 14.3 | 15.7 | 10.0 |
| 87.5° | 0.0 | 2.9 | 1.4 | 2.9 | 2.9 | 2.9 | 0.0 | 2.9 | 0.0 | 2.9 | 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 |



REPORT NUMBER: P228286

CATALOG NUMBER: ISC-AF-800-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

| | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 | 1066.4 |
| 2.5° | 1023.5 | 1019.2 | 1017.8 | 1012.1 | 1010.7 | 1004.9 | 1003.5 | 997.8 | 987.8 | 983.5 | 976.3 |
| 5° | 969.2 | 962.1 | 956.3 | 953.5 | 942.0 | 936.3 | 927.7 | 916.3 | 894.9 | 884.9 | 867.7 |
| 7.5° | 893.4 | 892.0 | 874.9 | 869.1 | 854.8 | 844.8 | 832.0 | 813.4 | 781.9 | 763.4 | 736.2 |
| 10° | 810.5 | 804.8 | 784.8 | 773.4 | 754.8 | 740.5 | 723.3 | 696.2 | 647.6 | 609.0 | 567.5 |
| 12.5° | 733.3 | 716.2 | 693.3 | 676.2 | 653.3 | 633.3 | 613.3 | 571.8 | 494.6 | 431.7 | 374.5 |
| 15° | 653.3 | 627.6 | 603.2 | 574.7 | 550.4 | 518.9 | 496.0 | 441.7 | 340.2 | 263.0 | 227.3 |
| 17.5° | 571.8 | 536.1 | 508.9 | 470.3 | 443.1 | 400.3 | 376.0 | 310.2 | 223.0 | 188.7 | 177.3 |
| 20° | 486.0 | 438.9 | 408.8 | 361.7 | 334.5 | 280.2 | 261.6 | 214.4 | 171.5 | 158.7 | 155.8 |
| 22.5° | 394.5 | 337.4 | 304.5 | 253.0 | 234.4 | 201.6 | 187.3 | 164.4 | 144.4 | 138.7 | 141.5 |
| 25° | 298.8 | 237.3 | 215.9 | 178.7 | 171.5 | 154.4 | 148.7 | 137.2 | 127.2 | 127.2 | 131.5 |
| 27.5° | 213.0 | 165.8 | 160.1 | 137.2 | 135.8 | 127.2 | 122.9 | 117.2 | 114.4 | 117.2 | 122.9 |
| 30° | 155.8 | 125.8 | 125.8 | 112.9 | 112.9 | 107.2 | 105.8 | 102.9 | 102.9 | 108.6 | 114.4 |
| 32.5° | 122.9 | 102.9 | 105.8 | 95.8 | 97.2 | 92.9 | 94.3 | 92.9 | 94.3 | 98.6 | 102.9 |
| 35° | 102.9 | 88.6 | 92.9 | 84.3 | 87.2 | 82.9 | 85.8 | 85.8 | 88.6 | 90.1 | 91.5 |
| 37.5° | 91.5 | 81.5 | 84.3 | 78.6 | 81.5 | 77.2 | 81.5 | 81.5 | 82.9 | 82.9 | 82.9 |
| 40° | 84.3 | 75.8 | 80.1 | 74.3 | 78.6 | 74.3 | 78.6 | 78.6 | 77.2 | 75.8 | 77.2 |
| 42.5° | 80.1 | 74.3 | 78.6 | 72.9 | 77.2 | 72.9 | 75.8 | 74.3 | 71.5 | 71.5 | 71.5 |
| 45° | 78.6 | 72.9 | 75.8 | 71.5 | 74.3 | 70.0 | 72.9 | 71.5 | 67.2 | 65.8 | 68.6 |
| 47.5° | 78.6 | 71.5 | 75.8 | 70.0 | 72.9 | 68.6 | 71.5 | 67.2 | 62.9 | 62.9 | 67.2 |
| 50° | 78.6 | 71.5 | 75.8 | 70.0 | 72.9 | 67.2 | 68.6 | 64.3 | 58.6 | 60.0 | 65.8 |
| 52.5° | 80.1 | 74.3 | 77.2 | 71.5 | 72.9 | 64.3 | 67.2 | 61.5 | 57.2 | 58.6 | 62.9 |
| 55° | 81.5 | 74.3 | 77.2 | 68.6 | 70.0 | 64.3 | 64.3 | 61.5 | 57.2 | 57.2 | 61.5 |
| 57.5° | 81.5 | 72.9 | 74.3 | 67.2 | 68.6 | 61.5 | 62.9 | 60.0 | 55.8 | 54.3 | 57.2 |
| 60° | 84.3 | 75.8 | 75.8 | 65.8 | 67.2 | 60.0 | 61.5 | 58.6 | 54.3 | 51.5 | 52.9 |
| 62.5° | 87.2 | 77.2 | 78.6 | 68.6 | 68.6 | 61.5 | 62.9 | 57.2 | 51.5 | 48.6 | 50.0 |
| 65° | 87.2 | 77.2 | 78.6 | 70.0 | 70.0 | 62.9 | 62.9 | 57.2 | 48.6 | 45.7 | 45.7 |
| 67.5° | 82.9 | 75.8 | 77.2 | 70.0 | 70.0 | 62.9 | 62.9 | 55.8 | 47.2 | 42.9 | 41.5 |
| 70° | 80.1 | 72.9 | 74.3 | 65.8 | 67.2 | 60.0 | 60.0 | 52.9 | 44.3 | 40.0 | 37.2 |
| 72.5° | 72.9 | 67.2 | 67.2 | 61.5 | 60.0 | 52.9 | 52.9 | 48.6 | 41.5 | 35.7 | 32.9 |
| 75° | 62.9 | 57.2 | 55.8 | 50.0 | 50.0 | 45.7 | 44.3 | 40.0 | 34.3 | 30.0 | 28.6 |
| 77.5° | 51.5 | 44.3 | 44.3 | 37.2 | 37.2 | 32.9 | 34.3 | 30.0 | 25.7 | 24.3 | 22.9 |
| 80° | 37.2 | 30.0 | 30.0 | 24.3 | 24.3 | 20.0 | 21.4 | 20.0 | 18.6 | 18.6 | 17.2 |
| 82.5° | 22.9 | 15.7 | 17.2 | 12.9 | 15.7 | 11.4 | 12.9 | 11.4 | 11.4 | 10.0 | 10.0 |
| 85° | 11.4 | 5.7 | 8.6 | 4.3 | 7.1 | 1.4 | 4.3 | 2.9 | 2.9 | 2.9 | 2.9 |
| 87.5° | 1.4 | 0.0 | 1.4 | 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: ISC-AF-800-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|--------|--------|
| 0° | 1066.4 | 1066.4 |
| 2.5° | 969.2 | 973.5 |
| 5° | 862.0 | 863.4 |
| 7.5° | 731.9 | 729.0 |
| 10° | 558.9 | 551.8 |
| 12.5° | 360.2 | 350.2 |
| 15° | 217.3 | 214.4 |
| 17.5° | 174.4 | 174.4 |
| 20° | 155.8 | 155.8 |
| 22.5° | 144.4 | 144.4 |
| 25° | 135.8 | 137.2 |
| 27.5° | 128.7 | 128.7 |
| 30° | 120.1 | 120.1 |
| 32.5° | 105.8 | 105.8 |
| 35° | 94.3 | 92.9 |
| 37.5° | 84.3 | 85.8 |
| 40° | 77.2 | 78.6 |
| 42.5° | 74.3 | 74.3 |
| 45° | 71.5 | 71.5 |
| 47.5° | 71.5 | 71.5 |
| 50° | 70.0 | 71.5 |
| 52.5° | 68.6 | 68.6 |
| 55° | 64.3 | 65.8 |
| 57.5° | 60.0 | 61.5 |
| 60° | 55.8 | 55.8 |
| 62.5° | 50.0 | 50.0 |
| 65° | 45.7 | 45.7 |
| 67.5° | 40.0 | 40.0 |
| 70° | 35.7 | 35.7 |
| 72.5° | 31.4 | 31.4 |
| 75° | 27.2 | 27.2 |
| 77.5° | 22.9 | 21.4 |
| 80° | 17.2 | 17.2 |
| 82.5° | 10.0 | 10.0 |
| 85° | 2.9 | 2.9 |
| 87.5° | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)