

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: P228088

Luminaire Tested: **ISS-AF-800-LED-E1-SL2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29761)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-800-LED-E1-SL2-7050  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

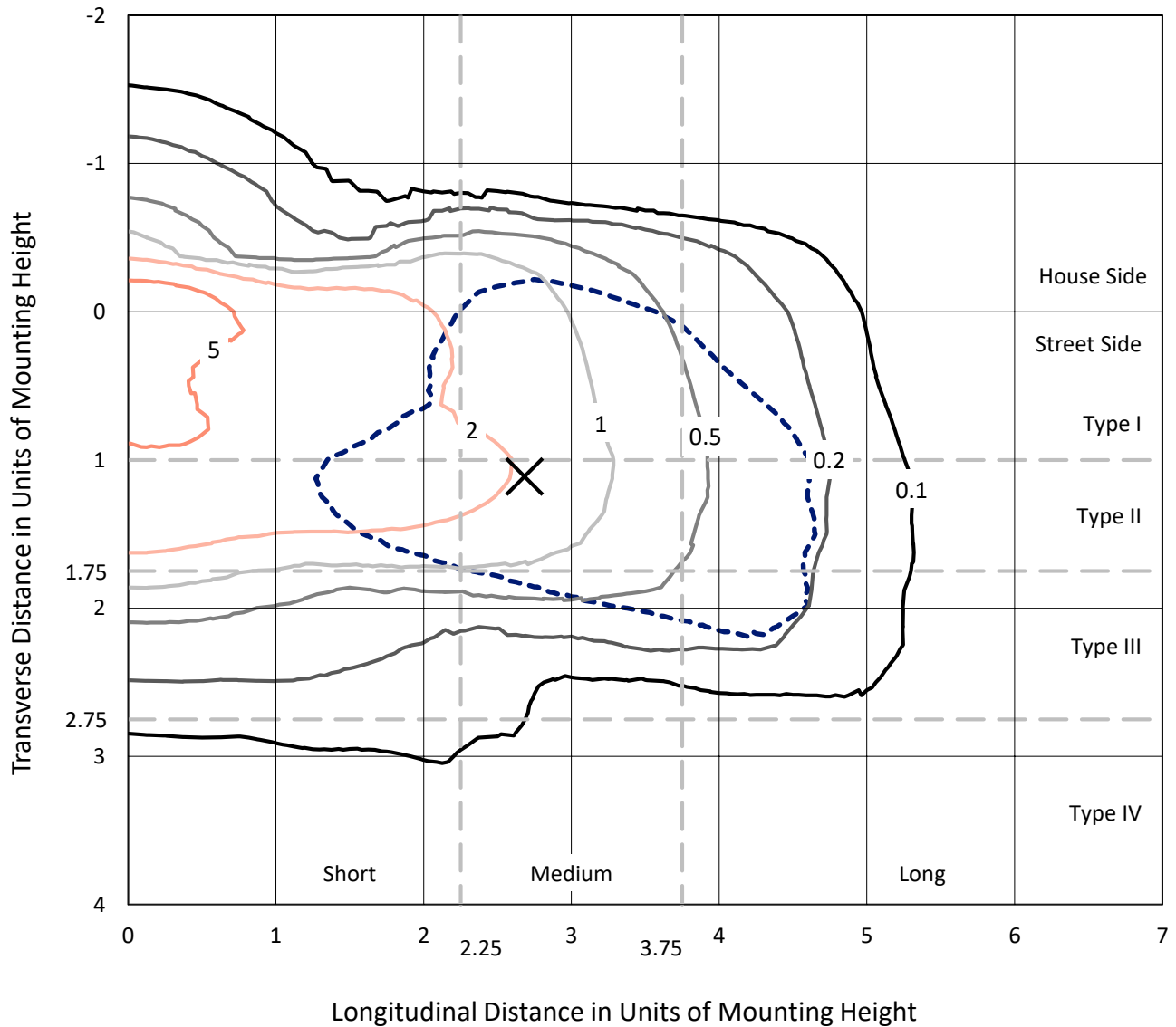
Lumens per Lamp: N/A  
Luminaire Lumens: 4628 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (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

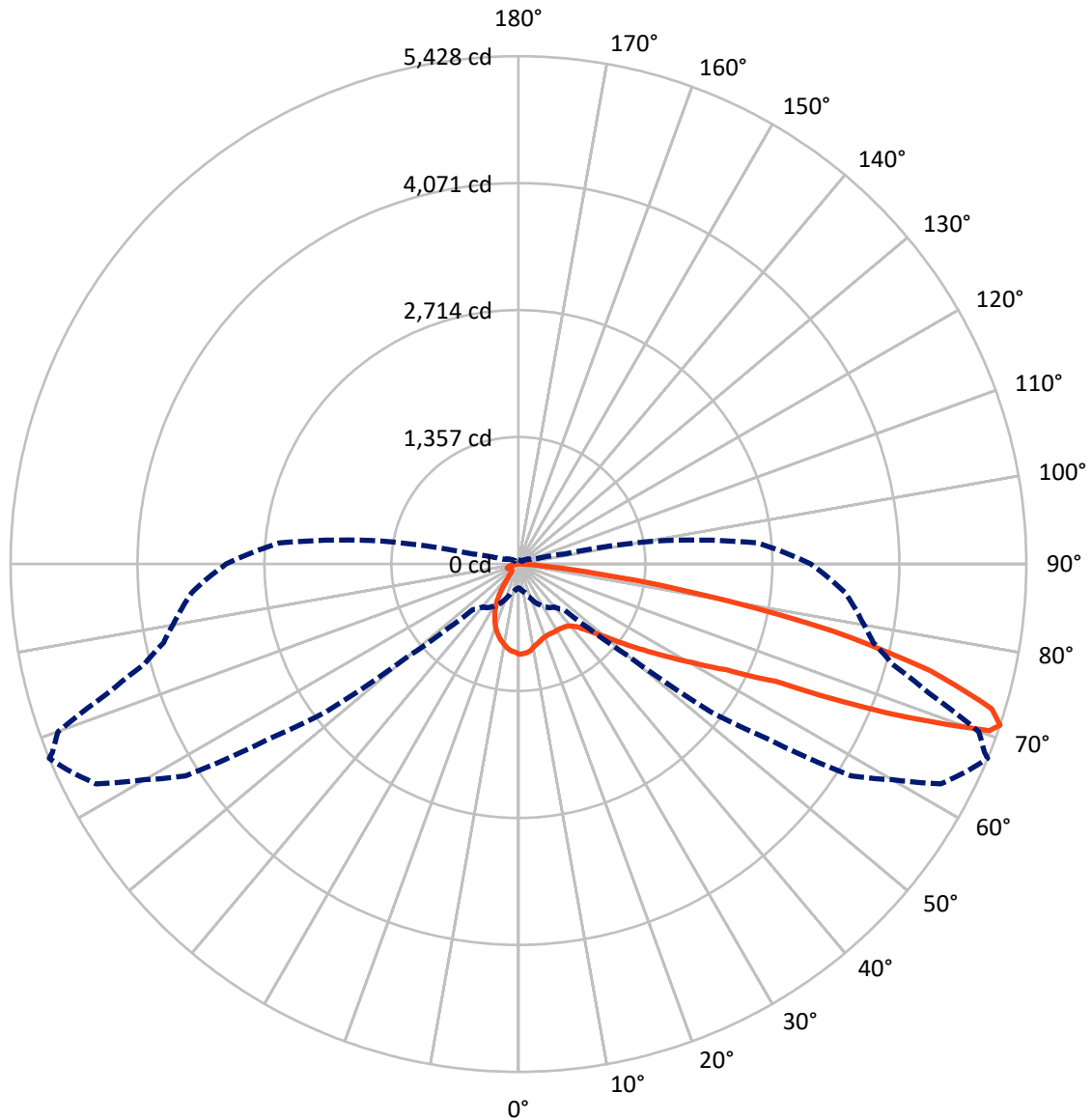
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 779.9    | 0.0    | 779.9  |
|                    | % Fixture | 16.9     | 0.0    | 16.9   |
| <b>Street Side</b> | Lumens    | 3848.1   | 0.0    | 3848.1 |
|                    | % Fixture | 83.1     | 0.0    | 83.1   |
| <b>Total</b>       | Lumens    | 4628.0   | 0.0    | 4628.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.2   | 1.8       |
| 10°-20°   | 201.3  | 4.4       |
| 20°-30°   | 273.8  | 5.9       |
| 30°-40°   | 374.2  | 8.1       |
| 40°-50°   | 563.8  | 12.2      |
| 50°-60°   | 893.6  | 19.3      |
| 60°-70°   | 1183.0 | 25.6      |
| 70°-80°   | 942.4  | 20.4      |
| 80°-90°   | 111.7  | 2.4       |
| 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°    | 4628.0 | 100.0     |
| 0°-180°   | 4628.0 | 100.0     |



REPORT NUMBER: P228088

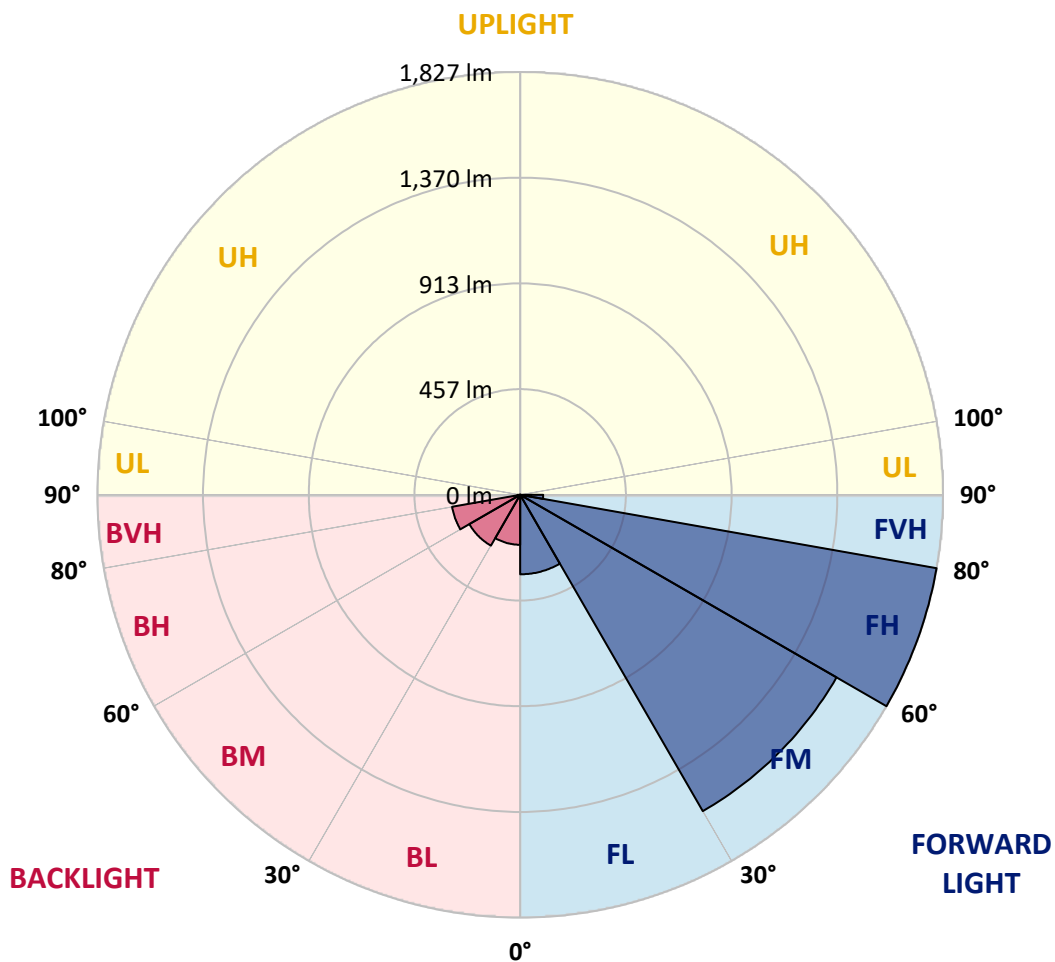
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 343.4  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 1578.2 | 34.1      |                         |      |         |
| FH   | (60°-80°)   | 1826.9 | 39.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 99.6   | 2.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 215.9  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 253.4  | 5.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 298.5  | 6.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 12.1   | 0.3       |                         |      | G1/100  |
| 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





REPORT NUMBER: P228088

CATALOG NUMBER: ISS-AF-800-LED-E1-SL2-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  |
| 2.5°  | 946.7  | 943.4  | 943.4  | 948.3  | 956.3  | 949.9  | 954.7  | 954.7  | 956.3  | 961.2  | 962.8  |
| 5°    | 877.2  | 870.7  | 877.2  | 883.6  | 901.4  | 898.2  | 903.0  | 907.9  | 917.6  | 919.2  | 932.1  |
| 7.5°  | 814.2  | 811.0  | 815.8  | 828.7  | 851.3  | 844.9  | 851.3  | 857.8  | 869.1  | 874.0  | 886.9  |
| 10°   | 765.7  | 760.9  | 767.3  | 777.0  | 799.6  | 798.0  | 801.3  | 809.3  | 822.3  | 825.5  | 841.6  |
| 12.5° | 730.2  | 730.2  | 733.4  | 746.3  | 765.7  | 764.1  | 773.8  | 778.6  | 790.0  | 793.2  | 811.0  |
| 15°   | 712.4  | 707.6  | 714.0  | 725.3  | 744.7  | 744.7  | 751.2  | 756.0  | 772.2  | 773.8  | 790.0  |
| 17.5° | 696.3  | 697.9  | 699.5  | 712.4  | 730.2  | 727.0  | 735.0  | 738.3  | 756.0  | 752.8  | 772.2  |
| 20°   | 696.3  | 699.5  | 697.9  | 705.9  | 718.9  | 712.4  | 722.1  | 723.7  | 743.1  | 738.3  | 759.3  |
| 22.5° | 715.6  | 718.9  | 714.0  | 712.4  | 717.3  | 712.4  | 717.3  | 720.5  | 735.0  | 731.8  | 751.2  |
| 25°   | 749.6  | 756.0  | 749.6  | 738.3  | 733.4  | 720.5  | 723.7  | 728.6  | 739.9  | 731.8  | 749.6  |
| 27.5° | 802.9  | 807.7  | 796.4  | 785.1  | 762.5  | 748.0  | 743.1  | 741.5  | 754.4  | 741.5  | 756.0  |
| 30°   | 864.3  | 870.7  | 861.0  | 840.0  | 807.7  | 783.5  | 773.8  | 769.0  | 777.0  | 757.6  | 772.2  |
| 32.5° | 930.5  | 937.0  | 930.5  | 914.3  | 870.7  | 835.2  | 822.3  | 811.0  | 817.4  | 791.6  | 798.0  |
| 35°   | 998.3  | 1004.8 | 1011.3 | 1001.6 | 945.0  | 904.6  | 883.6  | 874.0  | 872.3  | 840.0  | 841.6  |
| 37.5° | 1058.1 | 1064.6 | 1085.6 | 1095.3 | 1043.6 | 988.7  | 969.3  | 948.3  | 949.9  | 904.6  | 904.6  |
| 40°   | 1130.8 | 1138.9 | 1166.4 | 1189.0 | 1155.0 | 1088.8 | 1066.2 | 1043.6 | 1043.6 | 983.8  | 985.4  |
| 42.5° | 1229.4 | 1239.0 | 1256.8 | 1287.5 | 1276.2 | 1208.4 | 1184.1 | 1153.4 | 1156.7 | 1085.6 | 1084.0 |
| 45°   | 1368.3 | 1374.7 | 1374.7 | 1394.1 | 1395.7 | 1331.1 | 1315.0 | 1284.3 | 1290.7 | 1200.3 | 1205.1 |
| 47.5° | 1549.2 | 1541.1 | 1508.8 | 1520.1 | 1533.1 | 1465.2 | 1450.7 | 1431.3 | 1439.4 | 1342.4 | 1352.1 |
| 50°   | 1717.2 | 1710.8 | 1644.5 | 1647.8 | 1694.6 | 1625.1 | 1620.3 | 1596.1 | 1607.4 | 1510.4 | 1525.0 |
| 52.5° | 1780.2 | 1768.9 | 1702.7 | 1738.2 | 1869.1 | 1830.3 | 1838.4 | 1827.1 | 1833.5 | 1730.1 | 1726.9 |
| 55°   | 1709.1 | 1709.1 | 1668.8 | 1733.4 | 1999.9 | 2020.9 | 2087.2 | 2113.0 | 2140.5 | 2037.1 | 2014.5 |
| 57.5° | 1512.1 | 1525.0 | 1531.4 | 1646.1 | 1978.9 | 2069.4 | 2195.4 | 2305.2 | 2445.8 | 2439.3 | 2473.2 |
| 60°   | 1185.7 | 1208.4 | 1245.5 | 1432.9 | 1888.5 | 2037.1 | 2200.2 | 2365.0 | 2558.9 | 2683.3 | 2867.4 |
| 62.5° | 832.0  | 851.3  | 882.0  | 1011.3 | 1625.1 | 1880.4 | 2116.2 | 2369.9 | 2617.0 | 2812.5 | 3054.8 |
| 65°   | 565.4  | 584.8  | 649.4  | 720.5  | 980.6  | 1352.1 | 1712.4 | 2132.4 | 2508.8 | 2872.3 | 3198.6 |
| 67.5° | 407.1  | 418.4  | 468.5  | 588.0  | 652.6  | 720.5  | 854.6  | 1348.9 | 1812.5 | 2544.3 | 3020.9 |
| 70°   | 305.3  | 316.6  | 361.9  | 494.3  | 573.5  | 591.3  | 623.6  | 710.8  | 828.7  | 1429.7 | 2054.8 |
| 71°   | 255.2  | 271.4  | 326.3  | 465.2  | 570.3  | 584.8  | 599.3  | 651.0  | 689.8  | 1011.3 | 1525.0 |
| 72.5° | 179.3  | 190.6  | 242.3  | 429.7  | 547.6  | 581.6  | 615.5  | 613.9  | 610.6  | 689.8  | 922.4  |
| 75°   | 114.7  | 114.7  | 114.7  | 242.3  | 584.8  | 563.8  | 576.7  | 646.2  | 610.6  | 579.9  | 607.4  |
| 77.5° | 90.5   | 88.8   | 84.0   | 121.2  | 457.2  | 571.9  | 605.8  | 623.6  | 657.5  | 605.8  | 578.3  |
| 80°   | 67.8   | 66.2   | 66.2   | 75.9   | 211.6  | 369.9  | 512.1  | 568.6  | 592.9  | 644.6  | 588.0  |
| 82.5° | 35.5   | 35.5   | 38.8   | 45.2   | 79.2   | 129.2  | 264.9  | 436.2  | 487.9  | 491.1  | 495.9  |
| 85°   | 11.3   | 9.7    | 12.9   | 21.0   | 33.9   | 42.0   | 74.3   | 176.1  | 261.7  | 316.6  | 334.4  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.8    | 6.5    | 11.3   | 14.5   |
| 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: P228088

CATALOG NUMBER: ISS-AF-800-LED-E1-SL2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 68°    | 70°    | 72.5°  | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  |
| 2.5°  | 958.0  | 964.4  | 959.6  | 966.0  | 958.0  | 967.7  | 959.6  | 964.4  | 966.0  | 959.6  | 967.7  |
| 5°    | 924.0  | 943.4  | 937.0  | 951.5  | 945.0  | 958.0  | 951.5  | 964.4  | 964.4  | 959.6  | 970.9  |
| 7.5°  | 882.0  | 901.4  | 903.0  | 917.6  | 917.6  | 933.7  | 933.7  | 946.7  | 953.1  | 953.1  | 969.3  |
| 10°   | 840.0  | 857.8  | 861.0  | 877.2  | 880.4  | 899.8  | 899.8  | 917.6  | 930.5  | 935.3  | 954.7  |
| 12.5° | 807.7  | 830.3  | 830.3  | 848.1  | 844.9  | 874.0  | 877.2  | 893.3  | 906.3  | 917.6  | 943.4  |
| 15°   | 788.3  | 809.3  | 809.3  | 827.1  | 823.9  | 853.0  | 857.8  | 874.0  | 893.3  | 899.8  | 935.3  |
| 17.5° | 769.0  | 790.0  | 785.1  | 809.3  | 807.7  | 840.0  | 836.8  | 861.0  | 877.2  | 886.9  | 927.3  |
| 20°   | 752.8  | 777.0  | 773.8  | 798.0  | 791.6  | 827.1  | 827.1  | 851.3  | 867.5  | 875.6  | 922.4  |
| 22.5° | 744.7  | 770.6  | 764.1  | 788.3  | 783.5  | 819.0  | 819.0  | 843.3  | 861.0  | 874.0  | 920.8  |
| 25°   | 744.7  | 767.3  | 760.9  | 788.3  | 780.3  | 819.0  | 817.4  | 841.6  | 859.4  | 870.7  | 922.4  |
| 27.5° | 748.0  | 770.6  | 765.7  | 791.6  | 785.1  | 819.0  | 822.3  | 843.3  | 861.0  | 874.0  | 925.7  |
| 30°   | 759.3  | 780.3  | 769.0  | 793.2  | 788.3  | 820.6  | 819.0  | 841.6  | 859.4  | 875.6  | 925.7  |
| 32.5° | 783.5  | 794.8  | 780.3  | 801.3  | 791.6  | 823.9  | 823.9  | 840.0  | 861.0  | 880.4  | 925.7  |
| 35°   | 817.4  | 825.5  | 802.9  | 817.4  | 799.6  | 832.0  | 830.3  | 848.1  | 864.3  | 880.4  | 928.9  |
| 37.5° | 865.9  | 875.6  | 840.0  | 853.0  | 823.9  | 849.7  | 843.3  | 864.3  | 880.4  | 890.1  | 945.0  |
| 40°   | 938.6  | 941.8  | 895.0  | 904.6  | 864.3  | 886.9  | 870.7  | 899.8  | 907.9  | 914.3  | 969.3  |
| 42.5° | 1027.4 | 1030.7 | 970.9  | 977.3  | 925.7  | 945.0  | 917.6  | 948.3  | 959.6  | 958.0  | 1017.7 |
| 45°   | 1137.3 | 1138.9 | 1071.0 | 1075.9 | 1016.1 | 1032.3 | 998.3  | 1024.2 | 1032.3 | 1027.4 | 1088.8 |
| 47.5° | 1256.8 | 1269.7 | 1193.8 | 1200.3 | 1137.3 | 1145.4 | 1103.3 | 1132.4 | 1132.4 | 1127.6 | 1190.6 |
| 50°   | 1415.1 | 1434.5 | 1345.7 | 1355.4 | 1282.7 | 1289.1 | 1240.7 | 1271.4 | 1268.1 | 1255.2 | 1326.3 |
| 52.5° | 1612.2 | 1630.0 | 1536.3 | 1549.2 | 1471.7 | 1474.9 | 1415.1 | 1450.7 | 1441.0 | 1420.0 | 1502.4 |
| 55°   | 1852.9 | 1854.5 | 1767.3 | 1778.6 | 1701.1 | 1696.2 | 1621.9 | 1665.5 | 1651.0 | 1621.9 | 1697.8 |
| 57.5° | 2239.0 | 2192.2 | 2048.4 | 2045.2 | 1961.2 | 1954.7 | 1859.4 | 1912.7 | 1888.5 | 1827.1 | 1927.2 |
| 60°   | 2861.0 | 2875.5 | 2508.8 | 2452.2 | 2295.5 | 2266.5 | 2140.5 | 2201.9 | 2172.8 | 2072.6 | 2171.2 |
| 62.5° | 3211.5 | 3442.5 | 3419.9 | 3216.4 | 2812.5 | 2702.6 | 2489.4 | 2562.1 | 2486.2 | 2339.2 | 2431.2 |
| 65°   | 3471.6 | 3785.0 | 3965.9 | 4161.4 | 3980.5 | 3531.4 | 3027.3 | 3129.1 | 2943.3 | 2663.9 | 2752.7 |
| 67.5° | 3568.5 | 3946.5 | 4327.8 | 4605.6 | 4794.6 | 4828.6 | 4245.4 | 4272.9 | 3815.7 | 3256.7 | 3268.0 |
| 70°   | 3061.3 | 3618.6 | 4364.9 | 4717.1 | 5091.9 | 5276.0 | 5337.4 | 5308.4 | 5012.7 | 4221.2 | 3919.1 |
| 71°   | 2594.4 | 3269.7 | 4216.3 | 4608.9 | 5088.7 | 5266.4 | 5427.9 | 5373.0 | 5235.7 | 4604.0 | 4140.4 |
| 72.5° | 1757.6 | 2605.7 | 3781.8 | 4279.3 | 4919.0 | 5048.3 | 5290.6 | 5193.7 | 5164.6 | 4890.0 | 4347.2 |
| 75°   | 827.1  | 1298.8 | 2460.3 | 3213.1 | 4163.0 | 4287.4 | 4541.0 | 4421.5 | 4345.6 | 4439.2 | 4135.5 |
| 77.5° | 609.0  | 709.2  | 1350.5 | 1996.7 | 3027.3 | 3203.4 | 3421.5 | 3274.5 | 3177.6 | 3271.3 | 3059.7 |
| 80°   | 554.1  | 557.3  | 699.5  | 1053.3 | 1806.1 | 1911.1 | 1993.5 | 1873.9 | 1726.9 | 1720.5 | 1525.0 |
| 82.5° | 510.5  | 483.0  | 453.9  | 557.3  | 925.7  | 880.4  | 814.2  | 754.4  | 586.4  | 470.1  | 339.2  |
| 85°   | 324.7  | 355.4  | 323.1  | 305.3  | 368.3  | 303.7  | 240.7  | 231.0  | 163.2  | 109.9  | 101.8  |
| 87.5° | 22.6   | 25.8   | 30.7   | 35.5   | 43.6   | 35.5   | 22.6   | 27.5   | 16.2   | 0.0    | 8.1    |
| 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: P228088

CATALOG NUMBER: ISS-AF-800-LED-E1-SL2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 77.5°  | 80°    | 85°    | 90°    | 95°    | 100°   | 102.5° | 105°  | 107.5° | 110°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| 0°    | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4  | 964.4 | 964.4  | 964.4 | 964.4  |
| 2.5°  | 956.3  | 964.4  | 967.7  | 966.0  | 962.8  | 959.6  | 948.3  | 956.3 | 945.0  | 953.1 | 943.4  |
| 5°    | 961.2  | 972.5  | 974.1  | 970.9  | 967.7  | 961.2  | 941.8  | 953.1 | 940.2  | 946.7 | 932.1  |
| 7.5°  | 959.6  | 977.3  | 979.0  | 975.7  | 969.3  | 958.0  | 938.6  | 946.7 | 925.7  | 930.5 | 911.1  |
| 10°   | 951.5  | 977.3  | 979.0  | 970.9  | 961.2  | 943.4  | 920.8  | 924.0 | 903.0  | 903.0 | 877.2  |
| 12.5° | 943.4  | 974.1  | 982.2  | 970.9  | 954.7  | 930.5  | 904.6  | 901.4 | 877.2  | 875.6 | 846.5  |
| 15°   | 943.4  | 977.3  | 988.7  | 974.1  | 949.9  | 916.0  | 885.3  | 878.8 | 851.3  | 843.3 | 811.0  |
| 17.5° | 941.8  | 977.3  | 993.5  | 974.1  | 945.0  | 901.4  | 862.6  | 856.2 | 820.6  | 807.7 | 770.6  |
| 20°   | 940.2  | 980.6  | 996.7  | 970.9  | 930.5  | 883.6  | 840.0  | 827.1 | 788.3  | 767.3 | 723.7  |
| 22.5° | 938.6  | 987.0  | 1000.0 | 967.7  | 920.8  | 861.0  | 815.8  | 793.2 | 748.0  | 720.5 | 668.8  |
| 25°   | 946.7  | 995.1  | 1001.6 | 964.4  | 906.3  | 836.8  | 788.3  | 757.6 | 707.6  | 672.0 | 610.6  |
| 27.5° | 949.9  | 1003.2 | 1004.8 | 958.0  | 888.5  | 811.0  | 759.3  | 717.3 | 660.7  | 617.1 | 547.6  |
| 30°   | 959.6  | 1004.8 | 1000.0 | 945.0  | 867.5  | 778.6  | 725.3  | 673.6 | 610.6  | 554.1 | 471.7  |
| 32.5° | 962.8  | 1009.7 | 996.7  | 930.5  | 846.5  | 746.3  | 686.6  | 626.8 | 550.9  | 484.6 | 384.5  |
| 35°   | 969.3  | 1012.9 | 993.5  | 922.4  | 823.9  | 712.4  | 646.2  | 578.3 | 491.1  | 407.1 | 292.4  |
| 37.5° | 979.0  | 1027.4 | 1001.6 | 919.2  | 812.6  | 683.3  | 600.9  | 528.3 | 420.0  | 321.5 | 193.9  |
| 40°   | 1003.2 | 1056.5 | 1016.1 | 924.0  | 804.5  | 659.1  | 557.3  | 476.6 | 339.2  | 237.5 | 134.1  |
| 42.5° | 1051.7 | 1106.6 | 1053.3 | 948.3  | 809.3  | 638.1  | 512.1  | 421.6 | 256.9  | 169.6 | 111.5  |
| 45°   | 1124.4 | 1171.2 | 1114.7 | 988.7  | 828.7  | 626.8  | 470.1  | 365.1 | 184.2  | 135.7 | 101.8  |
| 47.5° | 1231.0 | 1276.2 | 1205.1 | 1053.3 | 862.6  | 621.9  | 426.5  | 305.3 | 142.2  | 122.8 | 98.5   |
| 50°   | 1371.5 | 1424.8 | 1336.0 | 1155.0 | 925.7  | 626.8  | 379.6  | 248.8 | 124.4  | 119.5 | 96.9   |
| 52.5° | 1544.4 | 1596.1 | 1507.2 | 1305.3 | 1029.0 | 654.3  | 329.6  | 216.5 | 117.9  | 117.9 | 95.3   |
| 55°   | 1739.8 | 1812.5 | 1725.3 | 1513.7 | 1189.0 | 714.0  | 298.9  | 205.2 | 117.9  | 119.5 | 93.7   |
| 57.5° | 1970.8 | 2032.2 | 1954.7 | 1714.0 | 1381.2 | 812.6  | 302.1  | 216.5 | 117.9  | 119.5 | 92.1   |
| 60°   | 2197.0 | 2272.9 | 2184.1 | 1969.2 | 1600.9 | 961.2  | 368.3  | 274.6 | 122.8  | 124.4 | 92.1   |
| 62.5° | 2432.9 | 2491.0 | 2418.3 | 2192.2 | 1849.7 | 1145.4 | 500.8  | 397.4 | 142.2  | 147.0 | 98.5   |
| 65°   | 2691.3 | 2786.6 | 2710.7 | 2524.9 | 2201.9 | 1439.4 | 752.8  | 596.1 | 210.0  | 171.2 | 108.2  |
| 67.5° | 3138.8 | 3177.6 | 3140.4 | 2970.8 | 2613.8 | 1681.7 | 896.6  | 605.8 | 210.0  | 166.4 | 121.2  |
| 70°   | 3744.6 | 3657.4 | 3491.0 | 3174.4 | 2657.4 | 1508.8 | 642.9  | 369.9 | 179.3  | 158.3 | 127.6  |
| 71°   | 3885.1 | 3751.1 | 3505.5 | 3124.3 | 2566.9 | 1361.8 | 499.2  | 292.4 | 168.0  | 155.1 | 127.6  |
| 72.5° | 3970.8 | 3770.5 | 3398.9 | 2977.3 | 2389.2 | 1072.7 | 329.6  | 229.4 | 153.5  | 147.0 | 122.8  |
| 75°   | 3859.3 | 3489.4 | 3001.5 | 2576.6 | 1956.3 | 557.3  | 206.8  | 174.5 | 130.9  | 127.6 | 106.6  |
| 77.5° | 3064.5 | 2739.8 | 2214.8 | 1872.3 | 1258.4 | 247.2  | 148.6  | 132.5 | 103.4  | 100.2 | 82.4   |
| 80°   | 1429.7 | 1147.0 | 672.0  | 576.7  | 395.8  | 145.4  | 101.8  | 90.5  | 74.3   | 71.1  | 58.2   |
| 82.5° | 260.1  | 195.5  | 151.9  | 147.0  | 132.5  | 85.6   | 59.8   | 54.9  | 46.8   | 45.2  | 37.2   |
| 85°   | 88.8   | 85.6   | 64.6   | 64.6   | 66.2   | 45.2   | 33.9   | 32.3  | 24.2   | 24.2  | 16.2   |
| 87.5° | 1.6    | 8.1    | 8.1    | 11.3   | 9.7    | 8.1    | 3.2    | 4.8   | 1.6    | 4.8   | 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: P228088

CATALOG NUMBER: ISS-AF-800-LED-E1-SL2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  | 155°  | 165°  |
|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 964.4 | 964.4  | 964.4 | 964.4  | 964.4 | 964.4  | 964.4 | 964.4 | 964.4 | 964.4 | 964.4 |
| 2.5°  | 951.5 | 938.6  | 949.9 | 938.6  | 945.0 | 932.1  | 940.2 | 935.3 | 935.3 | 930.5 | 927.3 |
| 5°    | 937.0 | 920.8  | 928.9 | 916.0  | 922.4 | 903.0  | 907.9 | 899.8 | 883.6 | 874.0 | 861.0 |
| 7.5°  | 916.0 | 891.7  | 898.2 | 878.8  | 883.6 | 857.8  | 862.6 | 848.1 | 817.4 | 798.0 | 778.6 |
| 10°   | 878.8 | 856.2  | 857.8 | 833.6  | 832.0 | 806.1  | 801.3 | 781.9 | 736.6 | 704.3 | 678.5 |
| 12.5° | 841.6 | 815.8  | 812.6 | 783.5  | 778.6 | 748.0  | 741.5 | 710.8 | 644.6 | 581.6 | 541.2 |
| 15°   | 802.9 | 770.6  | 760.9 | 730.2  | 712.4 | 686.6  | 668.8 | 623.6 | 528.3 | 445.9 | 392.6 |
| 17.5° | 759.3 | 717.3  | 702.7 | 667.2  | 641.3 | 602.6  | 576.7 | 515.3 | 392.6 | 303.7 | 266.5 |
| 20°   | 702.7 | 657.5  | 631.6 | 586.4  | 552.5 | 505.6  | 473.3 | 394.2 | 261.7 | 216.5 | 211.6 |
| 22.5° | 639.7 | 586.4  | 554.1 | 497.6  | 455.6 | 405.5  | 353.8 | 266.5 | 185.8 | 176.1 | 182.5 |
| 25°   | 573.5 | 507.3  | 465.2 | 395.8  | 339.2 | 281.1  | 232.6 | 177.7 | 151.9 | 150.2 | 159.9 |
| 27.5° | 494.3 | 418.4  | 358.6 | 276.2  | 224.5 | 179.3  | 158.3 | 140.5 | 129.2 | 130.9 | 140.5 |
| 30°   | 407.1 | 308.6  | 245.5 | 172.9  | 150.2 | 130.9  | 127.6 | 121.2 | 116.3 | 119.5 | 126.0 |
| 32.5° | 303.7 | 197.1  | 158.3 | 124.4  | 122.8 | 111.5  | 114.7 | 111.5 | 109.9 | 111.5 | 116.3 |
| 35°   | 205.2 | 130.9  | 124.4 | 106.6  | 109.9 | 101.8  | 106.6 | 105.0 | 103.4 | 103.4 | 106.6 |
| 37.5° | 142.2 | 108.2  | 111.5 | 98.5   | 103.4 | 96.9   | 101.8 | 100.2 | 98.5  | 96.9  | 98.5  |
| 40°   | 117.9 | 98.5   | 103.4 | 93.7   | 98.5  | 92.1   | 96.9  | 95.3  | 93.7  | 90.5  | 90.5  |
| 42.5° | 108.2 | 93.7   | 98.5  | 88.8   | 95.3  | 87.2   | 93.7  | 90.5  | 87.2  | 84.0  | 85.6  |
| 45°   | 105.0 | 90.5   | 95.3  | 85.6   | 92.1  | 84.0   | 88.8  | 87.2  | 80.8  | 79.2  | 80.8  |
| 47.5° | 101.8 | 88.8   | 93.7  | 84.0   | 88.8  | 80.8   | 85.6  | 82.4  | 75.9  | 74.3  | 75.9  |
| 50°   | 100.2 | 85.6   | 90.5  | 80.8   | 85.6  | 79.2   | 82.4  | 79.2  | 72.7  | 71.1  | 71.1  |
| 52.5° | 98.5  | 84.0   | 88.8  | 77.5   | 82.4  | 72.7   | 77.5  | 74.3  | 67.8  | 66.2  | 66.2  |
| 55°   | 98.5  | 82.4   | 85.6  | 74.3   | 79.2  | 69.5   | 72.7  | 69.5  | 66.2  | 63.0  | 63.0  |
| 57.5° | 96.9  | 79.2   | 84.0  | 71.1   | 74.3  | 66.2   | 69.5  | 66.2  | 61.4  | 59.8  | 59.8  |
| 60°   | 96.9  | 77.5   | 82.4  | 69.5   | 72.7  | 63.0   | 66.2  | 63.0  | 58.2  | 56.5  | 56.5  |
| 62.5° | 101.8 | 80.8   | 84.0  | 71.1   | 72.7  | 63.0   | 64.6  | 59.8  | 54.9  | 54.9  | 53.3  |
| 65°   | 111.5 | 90.5   | 90.5  | 74.3   | 74.3  | 63.0   | 64.6  | 58.2  | 51.7  | 51.7  | 51.7  |
| 67.5° | 121.2 | 100.2  | 98.5  | 79.2   | 77.5  | 63.0   | 63.0  | 54.9  | 48.5  | 48.5  | 48.5  |
| 70°   | 127.6 | 105.0  | 101.8 | 80.8   | 77.5  | 61.4   | 59.8  | 51.7  | 45.2  | 45.2  | 45.2  |
| 71°   | 126.0 | 105.0  | 100.2 | 79.2   | 74.3  | 58.2   | 58.2  | 50.1  | 43.6  | 43.6  | 42.0  |
| 72.5° | 119.5 | 98.5   | 93.7  | 74.3   | 71.1  | 54.9   | 54.9  | 46.8  | 40.4  | 40.4  | 38.8  |
| 75°   | 101.8 | 84.0   | 79.2  | 63.0   | 59.8  | 48.5   | 46.8  | 38.8  | 35.5  | 33.9  | 33.9  |
| 77.5° | 79.2  | 66.2   | 61.4  | 50.1   | 48.5  | 38.8   | 37.2  | 32.3  | 29.1  | 29.1  | 27.5  |
| 80°   | 56.5  | 46.8   | 43.6  | 33.9   | 30.7  | 25.8   | 27.5  | 24.2  | 22.6  | 22.6  | 21.0  |
| 82.5° | 33.9  | 24.2   | 24.2  | 19.4   | 21.0  | 16.2   | 17.8  | 17.8  | 16.2  | 12.9  | 12.9  |
| 85°   | 17.8  | 11.3   | 14.5  | 8.1    | 11.3  | 4.8    | 8.1   | 6.5   | 6.5   | 4.8   | 4.8   |
| 87.5° | 3.2   | 0.0    | 1.6   | 0.0    | 1.6   | 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   |

REPORT NUMBER: P228088

CATALOG NUMBER: ISS-AF-800-LED-E1-SL2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 964.4 | 964.4 |
| 2.5°  | 917.6 | 919.2 |
| 5°    | 854.6 | 857.8 |
| 7.5°  | 764.1 | 769.0 |
| 10°   | 655.9 | 659.1 |
| 12.5° | 516.9 | 516.9 |
| 15°   | 361.9 | 365.1 |
| 17.5° | 253.6 | 255.2 |
| 20°   | 213.2 | 214.9 |
| 22.5° | 190.6 | 192.2 |
| 25°   | 169.6 | 171.2 |
| 27.5° | 147.0 | 148.6 |
| 30°   | 132.5 | 134.1 |
| 32.5° | 119.5 | 121.2 |
| 35°   | 108.2 | 108.2 |
| 37.5° | 100.2 | 100.2 |
| 40°   | 92.1  | 92.1  |
| 42.5° | 87.2  | 87.2  |
| 45°   | 82.4  | 82.4  |
| 47.5° | 77.5  | 77.5  |
| 50°   | 72.7  | 74.3  |
| 52.5° | 67.8  | 67.8  |
| 55°   | 63.0  | 63.0  |
| 57.5° | 58.2  | 59.8  |
| 60°   | 54.9  | 54.9  |
| 62.5° | 51.7  | 51.7  |
| 65°   | 50.1  | 50.1  |
| 67.5° | 46.8  | 46.8  |
| 70°   | 43.6  | 43.6  |
| 71°   | 42.0  | 42.0  |
| 72.5° | 38.8  | 38.8  |
| 75°   | 33.9  | 32.3  |
| 77.5° | 27.5  | 27.5  |
| 80°   | 21.0  | 19.4  |
| 82.5° | 12.9  | 11.3  |
| 85°   | 4.8   | 3.2   |
| 87.5° | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)