

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: P226254

Luminaire Tested: **IST-AF-1000-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-T2-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4939.8 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B1 - U1 - G1

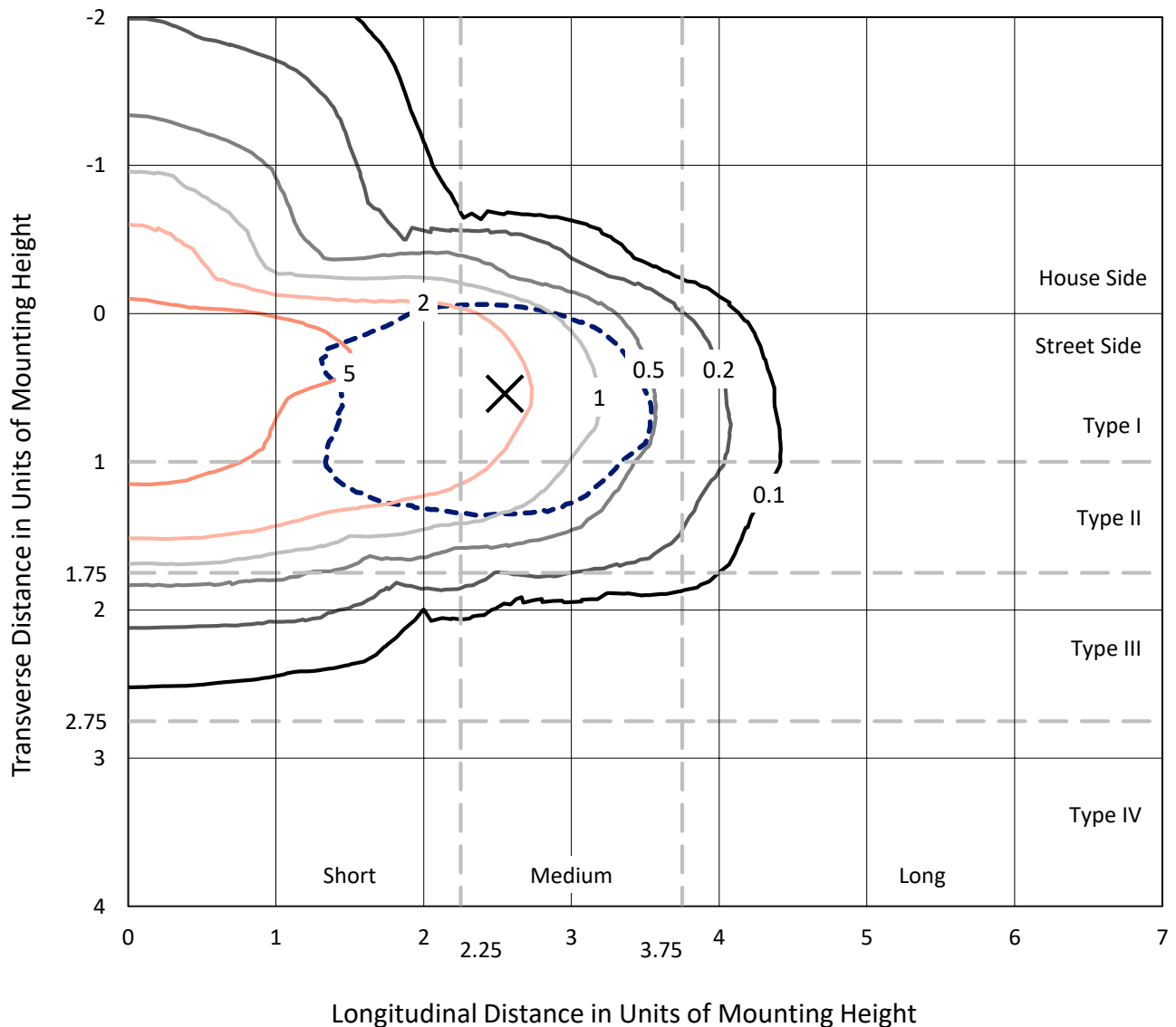
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

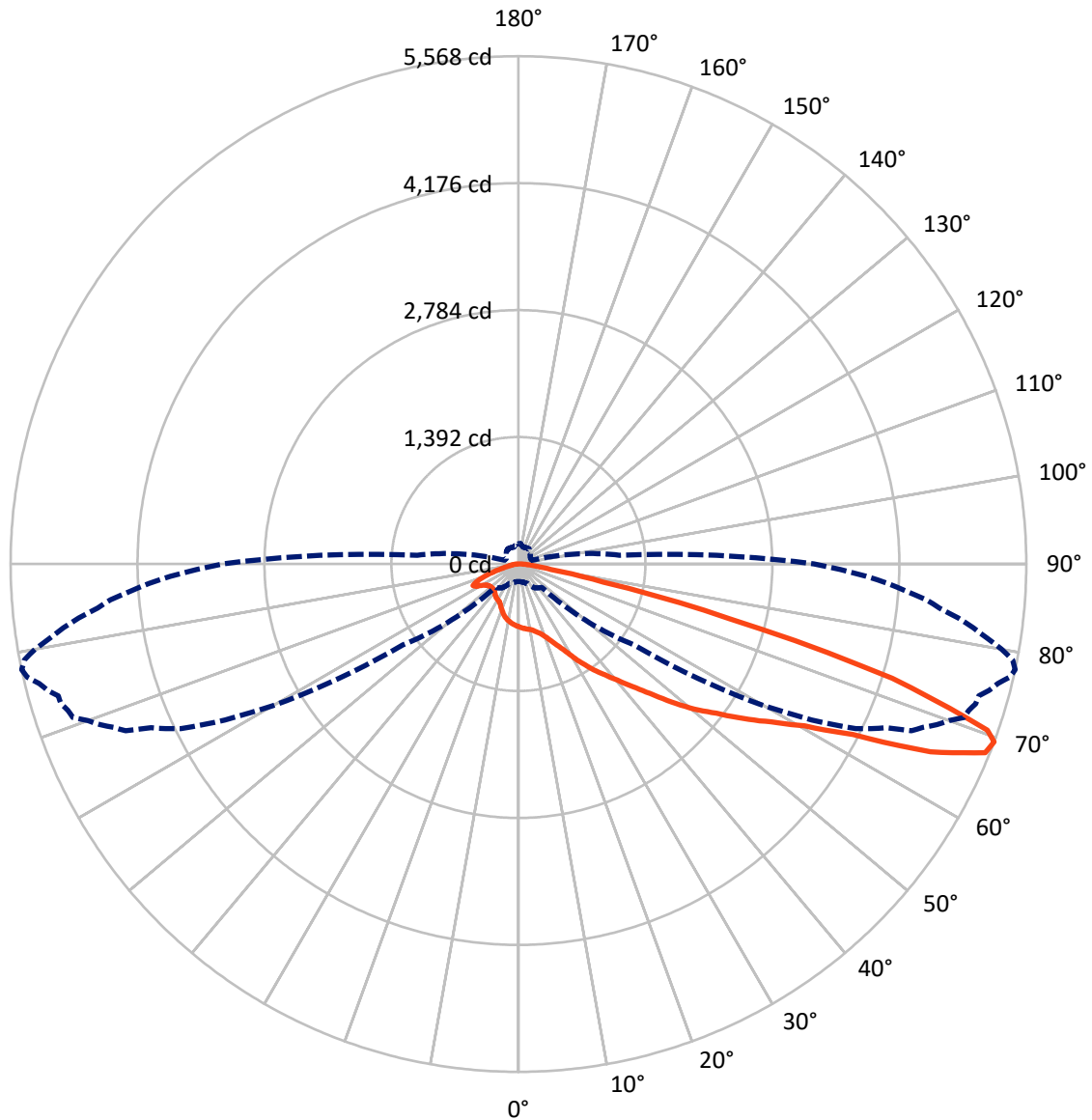
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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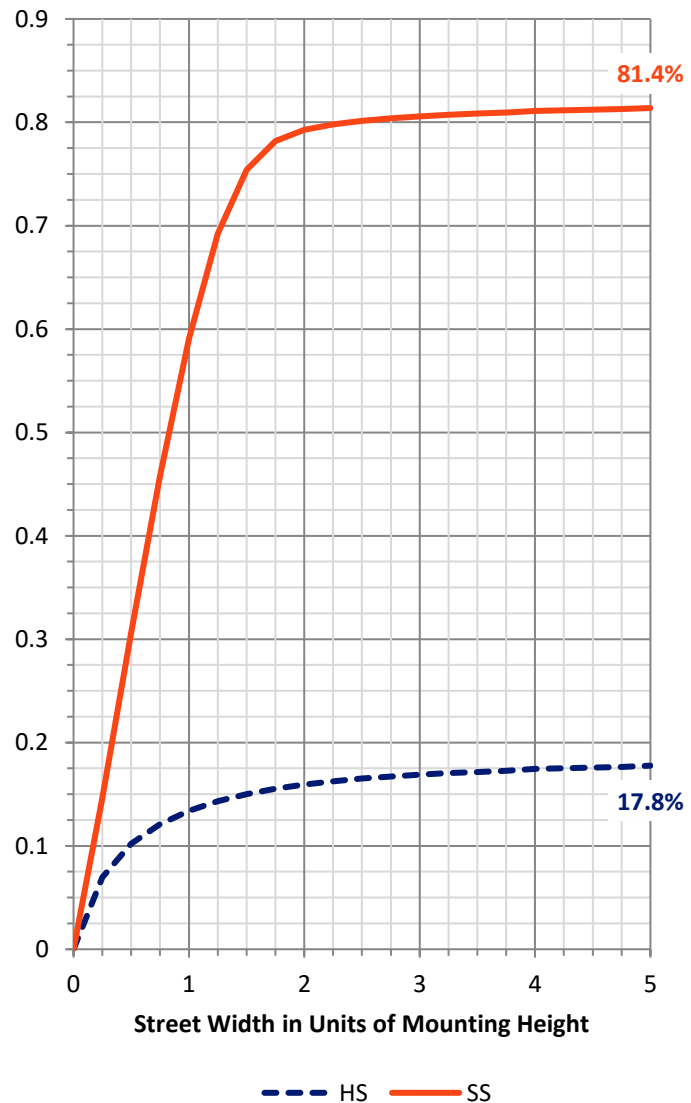
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 903.2 | 1.7 | 904.9 |
| | % Fixture | 18.3 | 0.0 | 18.3 |
| Street Side | Lumens | 4034.1 | 0.8 | 4034.9 |
| | % Fixture | 81.7 | 0.0 | 81.7 |
| Total | Lumens | 4937.3 | 2.5 | 4939.8 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.8 | 1.3 |
| 10°-20° | 192.6 | 3.9 |
| 20°-30° | 345.3 | 7.0 |
| 30°-40° | 563.7 | 11.4 |
| 40°-50° | 833.7 | 16.9 |
| 50°-60° | 1088.7 | 22.0 |
| 60°-70° | 1217.6 | 24.6 |
| 70°-80° | 546.6 | 11.1 |
| 80°-90° | 85.3 | 1.7 |
| 90°-100° | 2.5 | 0.1 |
| 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° | 4937.3 | 99.9 |
| 0°-180° | 4939.8 | 100.0 |



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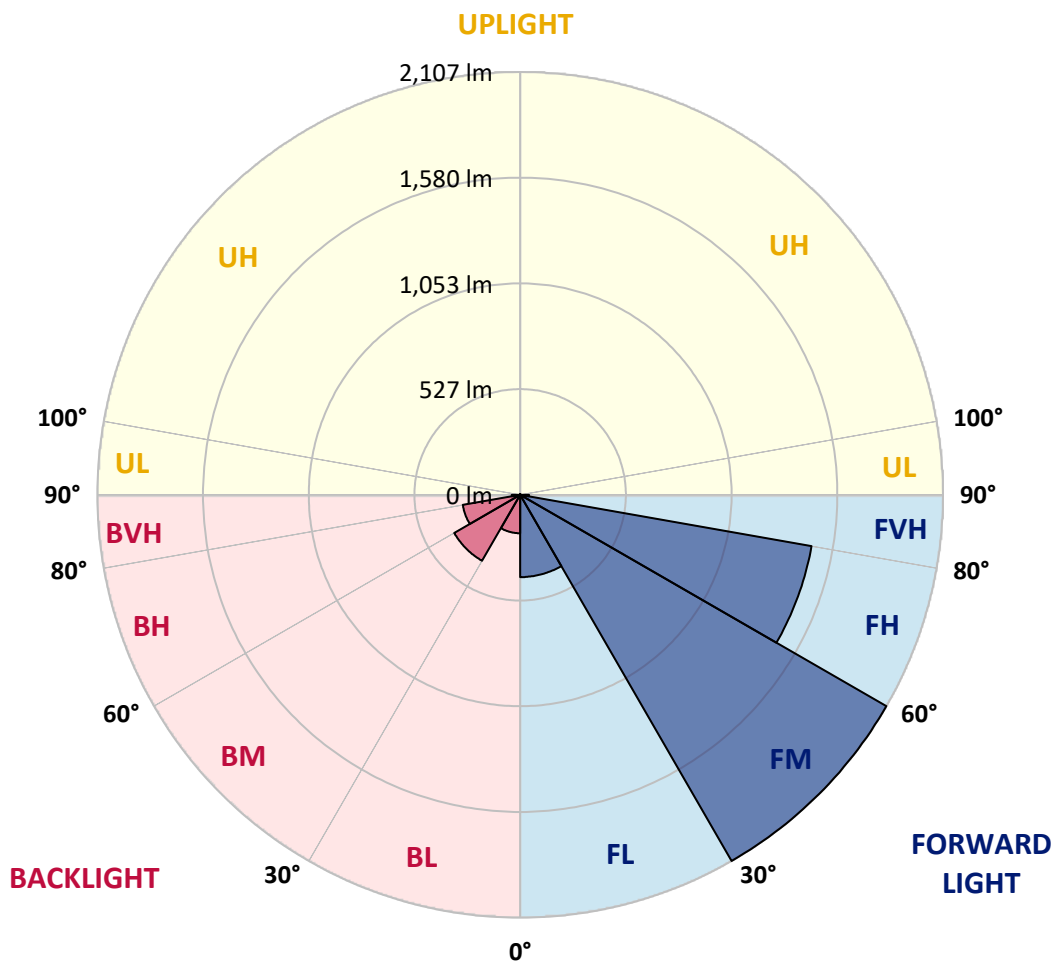
CATALOG NUMBER: IST-AF-1000-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 410.1 | 8.3 | | | |
| FM | (30°-60°) | 2106.6 | 42.6 | | | |
| FH | (60°-80°) | 1473.9 | 29.8 | | | G1/1800 |
| FVH | (80°-90°) | 43.5 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 191.7 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 379.5 | 7.7 | B1/1000 | | |
| BH | (60°-80°) | 290.3 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 41.7 | 0.8 | | | G1/100 |
| UL | (90°-100°) | 2.5 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 1.7 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type II Medium





REPORT NUMBER: P226254

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |
| 2.5° | 735.8 | 735.8 | 733.6 | 732.2 | 730.0 | 724.3 | 715.7 | 714.2 | 713.5 | 712.1 | 710.7 |
| 5° | 789.5 | 783.8 | 785.2 | 781.6 | 773.8 | 763.7 | 747.9 | 740.1 | 735.8 | 735.0 | 732.2 |
| 7.5° | 833.3 | 834.0 | 831.8 | 824.7 | 813.9 | 801.7 | 780.2 | 768.0 | 764.4 | 762.3 | 757.3 |
| 10° | 864.8 | 862.7 | 861.2 | 859.8 | 851.2 | 841.2 | 813.9 | 798.9 | 796.0 | 790.3 | 784.5 |
| 12.5° | 887.8 | 887.8 | 887.8 | 886.3 | 881.3 | 873.4 | 851.9 | 836.9 | 833.3 | 825.4 | 820.4 |
| 15° | 912.9 | 910.0 | 907.1 | 905.0 | 905.7 | 905.7 | 889.9 | 878.5 | 872.7 | 868.4 | 858.4 |
| 17.5° | 966.7 | 960.2 | 953.8 | 945.1 | 931.5 | 927.9 | 927.2 | 926.5 | 918.6 | 917.9 | 907.9 |
| 20° | 1012.6 | 1006.8 | 1001.1 | 992.5 | 973.1 | 952.3 | 963.1 | 973.1 | 971.7 | 972.4 | 967.4 |
| 22.5° | 1069.2 | 1064.9 | 1053.4 | 1043.4 | 1018.3 | 993.2 | 994.6 | 1016.1 | 1019.0 | 1021.9 | 1023.3 |
| 25° | 1146.7 | 1144.5 | 1125.9 | 1106.5 | 1077.8 | 1054.1 | 1031.9 | 1058.5 | 1064.2 | 1070.6 | 1083.6 |
| 27.5° | 1224.8 | 1219.8 | 1199.7 | 1182.5 | 1146.7 | 1121.6 | 1090.7 | 1105.1 | 1113.7 | 1125.9 | 1145.9 |
| 30° | 1325.9 | 1312.3 | 1305.1 | 1266.4 | 1233.4 | 1196.9 | 1170.3 | 1174.6 | 1173.2 | 1187.5 | 1218.4 |
| 32.5° | 1472.2 | 1450.7 | 1414.9 | 1376.1 | 1337.4 | 1288.6 | 1266.4 | 1265.7 | 1262.1 | 1278.6 | 1295.8 |
| 35° | 1551.1 | 1546.1 | 1523.9 | 1485.1 | 1442.8 | 1396.9 | 1382.6 | 1369.0 | 1371.1 | 1379.7 | 1386.2 |
| 37.5° | 1636.4 | 1632.1 | 1614.9 | 1593.4 | 1561.1 | 1586.2 | 1506.6 | 1486.6 | 1477.2 | 1472.9 | 1475.1 |
| 40° | 1673.7 | 1677.3 | 1686.6 | 1690.2 | 1671.6 | 1792.1 | 1635.0 | 1569.0 | 1566.2 | 1559.7 | 1553.3 |
| 42.5° | 1681.6 | 1690.9 | 1709.6 | 1750.5 | 1768.4 | 2030.9 | 1741.1 | 1661.5 | 1650.1 | 1645.0 | 1645.8 |
| 45° | 1710.3 | 1724.6 | 1728.2 | 1765.5 | 1850.1 | 2043.0 | 1860.9 | 1743.3 | 1734.7 | 1734.0 | 1729.7 |
| 47.5° | 1779.9 | 1799.2 | 1799.2 | 1815.7 | 1896.0 | 2066.7 | 1901.8 | 1825.0 | 1819.3 | 1816.4 | 1827.9 |
| 50° | 1789.9 | 1815.7 | 1867.4 | 1920.4 | 1978.5 | 2086.1 | 1948.4 | 1914.0 | 1916.1 | 1922.6 | 1956.3 |
| 52.5° | 1619.9 | 1645.8 | 1782.0 | 1938.3 | 2127.7 | 2139.1 | 2018.7 | 2032.3 | 2046.6 | 2078.2 | 2139.9 |
| 55° | 1389.0 | 1407.7 | 1569.0 | 1819.3 | 2133.4 | 2340.6 | 2195.1 | 2233.1 | 2263.2 | 2272.5 | 2369.3 |
| 57.5° | 1093.6 | 1119.4 | 1283.6 | 1608.5 | 1992.1 | 2398.0 | 2601.0 | 2618.2 | 2584.5 | 2615.3 | 2650.4 |
| 60° | 592.3 | 589.5 | 818.2 | 1163.1 | 1695.2 | 2291.9 | 2992.5 | 3287.9 | 3295.1 | 3342.4 | 3285.8 |
| 62.5° | 331.3 | 331.3 | 397.3 | 597.4 | 1090.7 | 1939.1 | 3180.4 | 3867.4 | 3957.0 | 4032.3 | 4198.0 |
| 65° | 250.3 | 252.4 | 276.1 | 360.0 | 612.4 | 1224.1 | 3042.7 | 4065.3 | 4237.4 | 4410.2 | 4700.6 |
| 67.5° | 208.0 | 208.0 | 225.2 | 268.2 | 382.9 | 555.8 | 2240.2 | 3668.0 | 3883.1 | 4089.7 | 4491.2 |
| 69° | 192.9 | 193.6 | 206.5 | 235.9 | 320.5 | 361.4 | 1547.5 | 3110.1 | 3356.1 | 3642.2 | 4115.5 |
| 70° | 185.7 | 183.6 | 195.8 | 220.2 | 290.4 | 285.4 | 1133.7 | 2704.2 | 2895.0 | 3151.7 | 3696.0 |
| 72.5° | 164.9 | 162.8 | 169.2 | 187.9 | 228.8 | 203.7 | 462.5 | 1455.0 | 1742.6 | 2030.1 | 2464.0 |
| 75° | 147.0 | 144.9 | 149.9 | 158.5 | 177.8 | 155.6 | 232.3 | 609.5 | 737.9 | 953.8 | 1315.9 |
| 77.5° | 129.8 | 125.5 | 129.8 | 135.5 | 139.8 | 116.2 | 157.8 | 281.8 | 345.6 | 424.5 | 599.5 |
| 80° | 117.6 | 113.3 | 118.3 | 115.5 | 109.7 | 89.6 | 104.7 | 164.2 | 182.1 | 218.0 | 285.4 |
| 82.5° | 83.9 | 83.2 | 112.6 | 116.2 | 87.5 | 65.3 | 74.6 | 105.4 | 117.6 | 124.1 | 150.6 |
| 85° | 51.6 | 49.5 | 65.3 | 83.2 | 88.9 | 40.9 | 48.0 | 62.4 | 65.3 | 71.0 | 83.9 |
| 87.5° | 26.5 | 27.3 | 35.1 | 43.0 | 58.1 | 24.4 | 28.7 | 36.6 | 36.6 | 36.6 | 41.6 |
| 90° | 6.5 | 7.9 | 10.8 | 15.1 | 12.2 | 6.5 | 10.8 | 8.6 | 10.0 | 8.6 | 10.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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: IST-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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: IST-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |
| 2.5° | 711.4 | 709.2 | 706.4 | 707.1 | 705.6 | 703.5 | 704.2 | 703.5 | 704.2 | 702.8 | 701.3 |
| 5° | 732.2 | 730.7 | 726.4 | 725.7 | 724.3 | 722.8 | 720.7 | 718.5 | 717.8 | 716.4 | 713.5 |
| 7.5° | 755.8 | 751.5 | 749.4 | 746.5 | 742.9 | 737.2 | 736.5 | 733.6 | 731.5 | 730.0 | 726.4 |
| 10° | 780.2 | 775.2 | 772.3 | 768.7 | 765.2 | 761.6 | 758.0 | 753.0 | 747.9 | 746.5 | 742.2 |
| 12.5° | 816.8 | 810.3 | 804.6 | 798.9 | 795.3 | 788.8 | 783.8 | 777.3 | 772.3 | 770.2 | 763.0 |
| 15° | 856.9 | 848.3 | 842.6 | 838.3 | 832.6 | 826.8 | 820.4 | 814.6 | 806.7 | 800.3 | 793.8 |
| 17.5° | 904.3 | 896.4 | 892.1 | 884.2 | 877.0 | 870.6 | 865.5 | 858.4 | 851.9 | 840.5 | 834.7 |
| 20° | 966.7 | 960.2 | 955.2 | 946.6 | 938.7 | 932.2 | 927.9 | 912.9 | 904.3 | 894.2 | 884.9 |
| 22.5° | 1024.7 | 1025.5 | 1020.4 | 1014.7 | 1009.7 | 1001.1 | 993.9 | 983.2 | 972.4 | 960.2 | 947.3 |
| 25° | 1087.9 | 1093.6 | 1094.3 | 1092.9 | 1090.0 | 1080.0 | 1076.4 | 1065.6 | 1057.0 | 1036.9 | 1031.2 |
| 27.5° | 1158.1 | 1164.6 | 1172.5 | 1182.5 | 1184.7 | 1173.9 | 1178.9 | 1168.2 | 1153.1 | 1144.5 | 1125.9 |
| 30° | 1226.3 | 1244.2 | 1260.7 | 1272.2 | 1279.3 | 1284.3 | 1280.8 | 1277.2 | 1267.1 | 1252.8 | 1236.3 |
| 32.5° | 1313.7 | 1332.4 | 1348.9 | 1374.0 | 1386.9 | 1402.7 | 1399.8 | 1401.2 | 1397.6 | 1383.3 | 1363.9 |
| 35° | 1401.9 | 1418.4 | 1440.0 | 1456.4 | 1488.0 | 1505.2 | 1519.6 | 1518.8 | 1518.8 | 1510.2 | 1491.6 |
| 37.5° | 1480.1 | 1489.4 | 1507.4 | 1534.6 | 1555.4 | 1582.7 | 1605.6 | 1614.9 | 1630.0 | 1630.7 | 1610.6 |
| 40° | 1561.9 | 1571.2 | 1584.8 | 1604.9 | 1627.8 | 1660.1 | 1690.9 | 1721.1 | 1735.4 | 1750.5 | 1742.6 |
| 42.5° | 1650.1 | 1660.1 | 1670.1 | 1683.1 | 1716.0 | 1741.1 | 1782.7 | 1823.6 | 1853.0 | 1883.8 | 1880.3 |
| 45° | 1737.6 | 1749.0 | 1763.4 | 1782.7 | 1812.1 | 1853.0 | 1893.2 | 1939.1 | 2006.5 | 2043.0 | 2068.1 |
| 47.5° | 1836.5 | 1855.2 | 1881.7 | 1912.5 | 1936.2 | 1978.5 | 2029.4 | 2100.4 | 2168.5 | 2231.6 | 2271.1 |
| 50° | 1985.7 | 1992.8 | 2035.9 | 2066.0 | 2111.2 | 2154.2 | 2205.1 | 2267.5 | 2355.7 | 2420.2 | 2483.3 |
| 52.5° | 2161.4 | 2188.6 | 2231.6 | 2266.1 | 2301.9 | 2344.9 | 2397.3 | 2453.2 | 2540.7 | 2613.1 | 2694.9 |
| 55° | 2388.0 | 2426.7 | 2464.0 | 2482.6 | 2532.8 | 2571.6 | 2613.9 | 2669.1 | 2763.0 | 2841.9 | 2938.0 |
| 57.5° | 2658.3 | 2697.0 | 2715.0 | 2742.2 | 2763.7 | 2806.8 | 2864.1 | 2901.4 | 2984.6 | 3066.4 | 3168.2 |
| 60° | 3213.4 | 3189.0 | 3210.5 | 3168.2 | 3161.7 | 3165.3 | 3177.5 | 3206.2 | 3252.8 | 3328.8 | 3436.4 |
| 62.5° | 4215.2 | 4180.0 | 4086.8 | 4053.1 | 3987.8 | 3899.6 | 3816.5 | 3805.0 | 3780.6 | 3838.0 | 3905.4 |
| 65° | 4800.3 | 4928.0 | 4941.6 | 4977.4 | 4951.6 | 4882.8 | 4785.3 | 4753.7 | 4674.8 | 4619.6 | 4616.0 |
| 67.5° | 4659.8 | 4851.2 | 4971.0 | 5122.3 | 5206.2 | 5288.0 | 5309.5 | 5337.4 | 5286.5 | 5261.4 | 5268.6 |
| 69° | 4268.9 | 4410.9 | 4679.1 | 4782.4 | 4915.1 | 5024.1 | 5167.5 | 5192.6 | 5242.1 | 5249.2 | 5344.6 |
| 70° | 3881.7 | 4090.4 | 4243.8 | 4398.7 | 4582.3 | 4702.1 | 4766.6 | 4872.8 | 4995.4 | 5055.6 | 5158.9 |
| 72.5° | 2791.0 | 2859.1 | 2968.1 | 3168.9 | 3219.8 | 3343.9 | 3470.8 | 3561.2 | 3705.3 | 3807.1 | 4050.2 |
| 75° | 1505.9 | 1546.8 | 1718.2 | 1832.2 | 1862.3 | 1903.2 | 1996.4 | 2018.7 | 2072.4 | 2105.4 | 2339.2 |
| 77.5° | 687.7 | 750.1 | 772.3 | 834.7 | 799.6 | 816.8 | 839.0 | 834.0 | 849.1 | 920.8 | 1002.5 |
| 80° | 317.0 | 329.2 | 337.8 | 363.6 | 365.0 | 359.3 | 361.4 | 357.8 | 355.0 | 366.4 | 375.0 |
| 82.5° | 154.2 | 172.8 | 172.8 | 188.6 | 196.5 | 194.3 | 198.6 | 197.2 | 200.1 | 197.2 | 206.5 |
| 85° | 90.4 | 90.4 | 97.5 | 106.1 | 104.7 | 107.6 | 107.6 | 113.3 | 114.0 | 115.5 | 115.5 |
| 87.5° | 42.3 | 46.6 | 48.8 | 52.3 | 53.8 | 55.9 | 57.4 | 57.4 | 58.1 | 56.7 | 58.1 |
| 90° | 10.8 | 10.8 | 17.9 | 17.9 | 19.4 | 21.5 | 18.6 | 20.1 | 25.1 | 18.6 | 23.7 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226254

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226254

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |
| 2.5° | 699.9 | 701.3 | 700.6 | 697.7 | 697.0 | 697.0 | 695.6 | 694.9 | 693.4 | 692.7 | 694.2 |
| 5° | 712.8 | 712.8 | 710.7 | 707.8 | 704.9 | 704.2 | 703.5 | 699.9 | 698.5 | 697.0 | 695.6 |
| 7.5° | 725.0 | 723.6 | 720.7 | 715.7 | 712.8 | 712.1 | 709.2 | 705.6 | 702.0 | 699.2 | 697.7 |
| 10° | 737.9 | 736.5 | 730.7 | 727.1 | 721.4 | 720.7 | 715.7 | 711.4 | 707.8 | 704.2 | 701.3 |
| 12.5° | 756.5 | 755.1 | 748.7 | 740.1 | 735.8 | 732.9 | 726.4 | 721.4 | 716.4 | 712.1 | 707.1 |
| 15° | 785.2 | 779.5 | 775.2 | 766.6 | 760.1 | 754.4 | 746.5 | 739.3 | 732.2 | 725.0 | 720.7 |
| 17.5° | 825.4 | 817.5 | 806.0 | 801.0 | 792.4 | 783.1 | 772.3 | 767.3 | 758.0 | 749.4 | 740.8 |
| 20° | 877.7 | 869.9 | 851.9 | 845.5 | 833.3 | 819.7 | 811.0 | 800.3 | 792.4 | 778.8 | 769.5 |
| 22.5° | 935.8 | 928.7 | 911.4 | 894.2 | 882.8 | 872.0 | 858.4 | 844.8 | 829.7 | 816.8 | 806.7 |
| 25° | 1011.1 | 1000.4 | 985.3 | 968.1 | 950.9 | 935.8 | 917.2 | 897.8 | 884.9 | 867.0 | 852.6 |
| 27.5° | 1113.7 | 1095.0 | 1069.9 | 1051.3 | 1037.7 | 1014.7 | 991.8 | 974.6 | 954.5 | 930.8 | 915.0 |
| 30° | 1224.8 | 1204.0 | 1185.4 | 1163.9 | 1140.9 | 1118.7 | 1087.1 | 1062.0 | 1040.5 | 1015.4 | 989.6 |
| 32.5° | 1348.2 | 1330.2 | 1303.7 | 1275.7 | 1250.6 | 1222.7 | 1199.7 | 1173.2 | 1135.9 | 1109.4 | 1082.1 |
| 35° | 1472.2 | 1451.4 | 1424.2 | 1400.5 | 1371.8 | 1343.1 | 1317.3 | 1282.2 | 1248.5 | 1210.5 | 1172.5 |
| 37.5° | 1592.0 | 1574.1 | 1543.9 | 1508.1 | 1483.0 | 1452.1 | 1425.6 | 1388.3 | 1348.2 | 1305.9 | 1277.2 |
| 40° | 1725.4 | 1696.7 | 1675.9 | 1634.3 | 1608.5 | 1574.1 | 1536.0 | 1507.4 | 1468.6 | 1422.7 | 1381.9 |
| 42.5° | 1878.1 | 1858.0 | 1835.8 | 1802.1 | 1774.8 | 1734.0 | 1685.9 | 1649.3 | 1613.5 | 1559.0 | 1502.3 |
| 45° | 2071.7 | 2058.8 | 2022.2 | 1995.0 | 1958.4 | 1915.4 | 1873.8 | 1829.3 | 1772.7 | 1709.6 | 1658.0 |
| 47.5° | 2304.1 | 2294.0 | 2261.0 | 2222.3 | 2174.3 | 2116.2 | 2077.5 | 2016.5 | 1968.5 | 1889.6 | 1827.9 |
| 50° | 2514.9 | 2519.9 | 2502.0 | 2442.5 | 2399.4 | 2341.4 | 2280.4 | 2227.3 | 2153.5 | 2071.7 | 1992.8 |
| 52.5° | 2766.6 | 2761.6 | 2716.4 | 2683.4 | 2632.5 | 2562.2 | 2495.5 | 2427.4 | 2346.4 | 2261.8 | 2163.5 |
| 55° | 3007.6 | 3022.6 | 2991.1 | 2944.4 | 2882.8 | 2784.5 | 2717.1 | 2628.9 | 2543.6 | 2450.4 | 2337.1 |
| 57.5° | 3241.3 | 3289.4 | 3265.0 | 3209.8 | 3146.7 | 3075.7 | 2986.8 | 2887.8 | 2799.6 | 2677.7 | 2550.0 |
| 60° | 3532.5 | 3596.3 | 3606.3 | 3570.5 | 3501.6 | 3419.2 | 3302.3 | 3224.8 | 3103.6 | 2991.1 | 2892.8 |
| 62.5° | 3980.7 | 4125.5 | 4116.9 | 4134.1 | 4085.4 | 4034.5 | 3897.5 | 3814.3 | 3656.5 | 3575.5 | 3438.5 |
| 65° | 4729.3 | 4836.2 | 4964.5 | 4960.2 | 4926.5 | 4804.6 | 4662.6 | 4523.5 | 4419.5 | 4259.6 | 4116.9 |
| 67.5° | 5357.5 | 5445.7 | 5521.7 | 5482.3 | 5404.8 | 5267.9 | 5101.5 | 4907.9 | 4749.4 | 4573.0 | 4385.8 |
| 69° | 5416.3 | 5523.9 | 5568.3 | 5519.6 | 5380.5 | 5201.9 | 5039.1 | 4859.1 | 4641.1 | 4489.8 | 4261.8 |
| 70° | 5258.6 | 5364.7 | 5454.3 | 5328.8 | 5201.2 | 5026.9 | 4849.1 | 4661.9 | 4466.9 | 4304.1 | 4073.9 |
| 72.5° | 4177.2 | 4296.9 | 4284.7 | 4271.1 | 4169.3 | 3995.0 | 3831.5 | 3731.1 | 3594.1 | 3397.7 | 3231.3 |
| 75° | 2428.8 | 2484.1 | 2387.3 | 2489.1 | 2367.2 | 2191.5 | 2214.4 | 2101.1 | 2000.7 | 1887.4 | 1799.9 |
| 77.5° | 953.8 | 1002.5 | 951.6 | 935.1 | 880.6 | 868.4 | 777.3 | 788.1 | 742.9 | 654.0 | 613.1 |
| 80° | 361.4 | 367.9 | 359.3 | 341.3 | 337.8 | 317.0 | 311.2 | 291.1 | 281.8 | 252.4 | 241.7 |
| 82.5° | 194.3 | 197.9 | 192.2 | 186.4 | 182.1 | 170.0 | 162.1 | 147.0 | 138.4 | 129.1 | 128.4 |
| 85° | 111.9 | 109.0 | 106.1 | 103.3 | 96.8 | 89.6 | 83.9 | 78.2 | 71.7 | 66.7 | 61.7 |
| 87.5° | 58.8 | 59.5 | 60.2 | 57.4 | 53.1 | 47.3 | 43.7 | 41.6 | 36.6 | 34.4 | 32.3 |
| 90° | 19.4 | 14.3 | 16.5 | 20.8 | 19.4 | 15.8 | 15.1 | 12.9 | 10.8 | 10.8 | 8.6 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226254
 CATALOG NUMBER: IST-AF-1000-LED-E1-T2-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P226254
 NUMBER: IST-AF-1000-LED-E1-T2-8030

REPORT NUMBER: P
 CATALOG NUMBER:

| <u>DISTRIBUTION (continued):</u> | | | | | | | | | | | <u>CANDELA DISTRIBUTION</u> | |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------------|-----|
| 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 110° | 87° |
| 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 110° | 0.0 |
| 692.0 | 692.0 | 689.9 | 688.4 | 683.4 | 674.8 | 666.2 | 658.3 | 647.5 | 643.2 | 637.5 | 112.5° | 0.0 |
| 694.2 | 692.7 | 690.6 | 687.7 | 677.7 | 657.6 | 636.8 | 614.6 | 591.6 | 570.8 | 546.4 | 115° | 0.0 |
| 695.6 | 692.7 | 689.9 | 686.3 | 671.9 | 641.1 | 599.5 | 555.8 | 514.9 | 484.0 | 471.1 | 117.5° | 0.0 |
| 696.3 | 694.2 | 690.6 | 685.6 | 665.5 | 619.6 | 552.9 | 489.8 | 453.9 | 441.7 | 439.6 | 120° | 0.0 |
| 704.2 | 700.6 | 694.9 | 689.1 | 662.6 | 595.9 | 500.5 | 440.3 | 426.0 | 431.7 | 441.7 | 122.5° | 0.0 |
| 714.2 | 709.9 | 702.8 | 697.0 | 661.2 | 565.1 | 449.6 | 412.3 | 417.4 | 433.1 | 449.6 | 125° | 0.0 |
| 732.2 | 725.0 | 717.1 | 711.4 | 664.0 | 527.1 | 408.8 | 398.0 | 413.1 | 433.1 | 455.4 | 127.5° | 0.0 |
| 758.7 | 748.7 | 739.3 | 729.3 | 668.3 | 479.7 | 384.4 | 388.7 | 406.6 | 428.1 | 452.5 | 130° | 0.0 |
| 791.7 | 780.2 | 767.3 | 752.2 | 673.4 | 438.9 | 370.7 | 378.6 | 395.1 | 413.8 | 433.9 | 132.5° | 0.0 |
| 836.1 | 820.4 | 803.9 | 785.2 | 680.5 | 394.4 | 358.6 | 367.2 | 377.2 | 388.0 | 398.0 | 135° | 0.0 |
| 892.1 | 870.6 | 852.6 | 827.5 | 687.7 | 364.3 | 348.5 | 351.4 | 353.5 | 355.0 | 354.3 | 137.5° | 0.0 |
| 966.7 | 933.7 | 912.9 | 882.0 | 695.6 | 348.5 | 337.0 | 333.5 | 329.9 | 324.9 | 319.1 | 140° | 0.0 |
| 1045.5 | 1018.3 | 985.3 | 945.9 | 700.6 | 337.8 | 326.3 | 314.8 | 304.8 | 299.8 | 299.8 | 142.5° | 0.0 |
| 1137.3 | 1103.6 | 1062.0 | 1012.6 | 694.2 | 326.3 | 311.9 | 296.9 | 291.1 | 297.6 | 295.4 | 145° | 0.0 |
| 1229.1 | 1182.5 | 1136.6 | 1080.0 | 678.4 | 313.4 | 296.2 | 288.3 | 292.6 | 284.0 | 279.0 | 147.5° | 0.0 |
| 1330.2 | 1278.6 | 1214.8 | 1148.8 | 655.4 | 299.8 | 288.3 | 292.6 | 277.5 | 267.5 | 271.8 | 150° | 0.0 |
| 1443.5 | 1382.6 | 1313.7 | 1224.1 | 640.4 | 291.1 | 276.1 | 279.7 | 266.8 | 259.6 | 257.4 | 152.5° | 0.0 |
| 1597.7 | 1510.9 | 1427.0 | 1321.6 | 651.9 | 277.5 | 252.4 | 266.8 | 259.6 | 253.1 | 247.4 | 155° | 0.0 |
| 1749.0 | 1656.5 | 1557.6 | 1433.5 | 671.9 | 267.5 | 233.8 | 253.1 | 258.2 | 247.4 | 236.6 | 157.5° | 0.0 |
| 1901.1 | 1802.8 | 1687.4 | 1549.0 | 696.3 | 261.0 | 219.4 | 236.6 | 254.6 | 241.7 | 233.1 | 160° | 0.0 |
| 2061.0 | 1936.9 | 1818.6 | 1669.4 | 727.9 | 254.6 | 208.0 | 222.3 | 248.1 | 241.7 | 228.8 | 162.5° | 0.0 |
| 2228.8 | 2082.5 | 1964.2 | 1802.8 | 783.1 | 245.3 | 193.6 | 210.8 | 241.7 | 240.9 | 224.5 | 165° | 0.0 |
| 2423.8 | 2293.3 | 2141.3 | 1977.1 | 859.8 | 234.5 | 180.7 | 202.2 | 235.9 | 238.1 | 219.4 | 167.5° | 0.0 |
| 2755.8 | 2621.0 | 2437.5 | 2281.1 | 1011.8 | 220.2 | 172.8 | 193.6 | 226.6 | 232.3 | 215.1 | 170° | 0.0 |
| 3294.4 | 3110.8 | 2942.3 | 2796.0 | 1272.2 | 200.1 | 167.1 | 184.3 | 216.6 | 225.2 | 211.5 | 172.5° | 0.0 |
| 3911.8 | 3732.5 | 3528.9 | 3282.9 | 1417.0 | 181.4 | 159.2 | 172.8 | 206.5 | 218.0 | 208.0 | 175° | 0.0 |
| 4174.3 | 3939.8 | 3692.4 | 3400.5 | 1278.6 | 166.4 | 150.6 | 162.1 | 195.1 | 208.0 | 202.9 | 177.5° | 0.0 |
| 4053.8 | 3816.5 | 3528.9 | 3242.8 | 1112.2 | 158.5 | 145.6 | 156.3 | 186.4 | 201.5 | 197.9 | 180° | 0.0 |
| 3844.4 | 3605.6 | 3348.9 | 3005.4 | 993.2 | 154.2 | 142.0 | 152.7 | 182.9 | 197.9 | 195.1 | | |
| 3040.5 | 2827.6 | 2590.9 | 2329.2 | 677.0 | 139.8 | 130.5 | 142.0 | 168.5 | 185.0 | 184.3 | | |
| 1611.3 | 1549.0 | 1374.0 | 1220.5 | 350.7 | 124.8 | 118.3 | 129.8 | 155.6 | 172.8 | 172.8 | | |
| 580.1 | 526.4 | 503.4 | 418.1 | 186.4 | 109.0 | 106.1 | 114.7 | 141.3 | 157.8 | 157.0 | | |
| 219.4 | 213.7 | 191.5 | 179.3 | 118.3 | 88.9 | 89.6 | 98.2 | 124.1 | 139.8 | 139.1 | | |
| 124.1 | 112.6 | 109.0 | 105.4 | 75.3 | 70.3 | 73.9 | 82.5 | 106.1 | 119.8 | 121.9 | | |
| 59.5 | 55.2 | 53.8 | 50.2 | 49.5 | 53.8 | 58.1 | 65.3 | 84.6 | 101.1 | 99.0 | | |
| 28.7 | 27.3 | 26.5 | 25.8 | 35.1 | 34.4 | 42.3 | 45.2 | 56.7 | 80.3 | 72.4 | | |
| 9.3 | 9.3 | 8.6 | 7.2 | 10.0 | 11.5 | 13.6 | 19.4 | 23.7 | 46.6 | 38.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |

'226254
 IST-AF-1000-LED-E1-T2-8030

REPORT NUMBER: P226254
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

| 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | | 165° | 175° |
|-----|-----|-----|-----|------|------|------|------|------|------|--------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 687.0 | 687.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 632.5 | 622.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 528.5 | 527.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 463.3 | 453.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 441.7 | 441.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 451.1 | 453.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 463.3 | 467.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 471.1 | 479.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 469.0 | 478.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 445.3 | 449.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 403.0 | 404.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 352.1 | 350.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 316.2 | 306.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 299.8 | 294.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 288.3 | 279.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 299.0 | 298.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 309.1 | 307.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 291.9 | 279.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 260.3 | 245.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 238.8 | 230.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 228.8 | 225.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 225.9 | 233.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 224.5 | 232.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 214.4 | 228.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 207.2 | 223.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 202.9 | 221.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 199.4 | 223.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 193.6 | 227.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69° | 190.8 | 226.6 |
| | | | | | | | | | | 70° | 187.9 | 224.5 |
| | | | | | | | | | | 72.5° | 177.8 | 207.2 |
| | | | | | | | | | | 75° | 165.7 | 182.9 |
| | | | | | | | | | | 77.5° | 149.9 | 157.0 |
| | | | | | | | | | | 80° | 132.7 | 137.0 |
| | | | | | | | | | | 82.5° | 115.5 | 131.9 |
| | | | | | | | | | | 85° | 90.4 | 111.9 |
| | | | | | | | | | | 87.5° | 66.7 | 61.7 |
| | | | | | | | | | | 90° | 38.0 | 28.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 0.0 | 0.0 |
| | | | | | | | | | | 97.5° | 0.0 | 0.0 |
| | | | | | | | | | | 100° | 0.0 | 0.0 |
| | | | | | | | | | | 102.5° | 0.0 | 0.0 |
| | | | | | | | | | | 105° | 0.0 | 0.0 |
| | | | | | | | | | | 107.5° | 0.0 | 0.0 |



REPORT NUMBER: P226254

CATALOG NUMBER: IST-AF-1000-LED-E1

00-LED-E1-T2-8030

tinued):

| 180° |
|-------|
| 687.0 |
| 624.6 |
| 522.8 |
| 454.6 |
| 443.2 |
| 451.8 |
| 469.0 |
| 481.9 |
| 480.5 |
| 453.2 |
| 405.9 |
| 356.4 |
| 314.1 |
| 300.5 |
| 283.3 |
| 301.9 |
| 310.5 |
| 281.8 |
| 245.3 |
| 228.8 |
| 224.5 |
| 235.2 |
| 231.6 |
| 228.8 |
| 224.5 |
| 220.9 |
| 220.2 |
| 221.6 |
| 218.7 |
| 215.1 |
| 193.6 |
| 174.3 |
| 157.0 |
| 138.4 |
| 116.9 |
| 87.5 |
| 66.7 |
| 23.7 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|--------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 |

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

