

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: P226486

Luminaire Tested: **IST-AF-600-LED-E1-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35938)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-600-LED-E1-T3
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.1 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Cutoff
BUG Rating: B1 - U1 - G1

Input Watts (W): 33.7
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

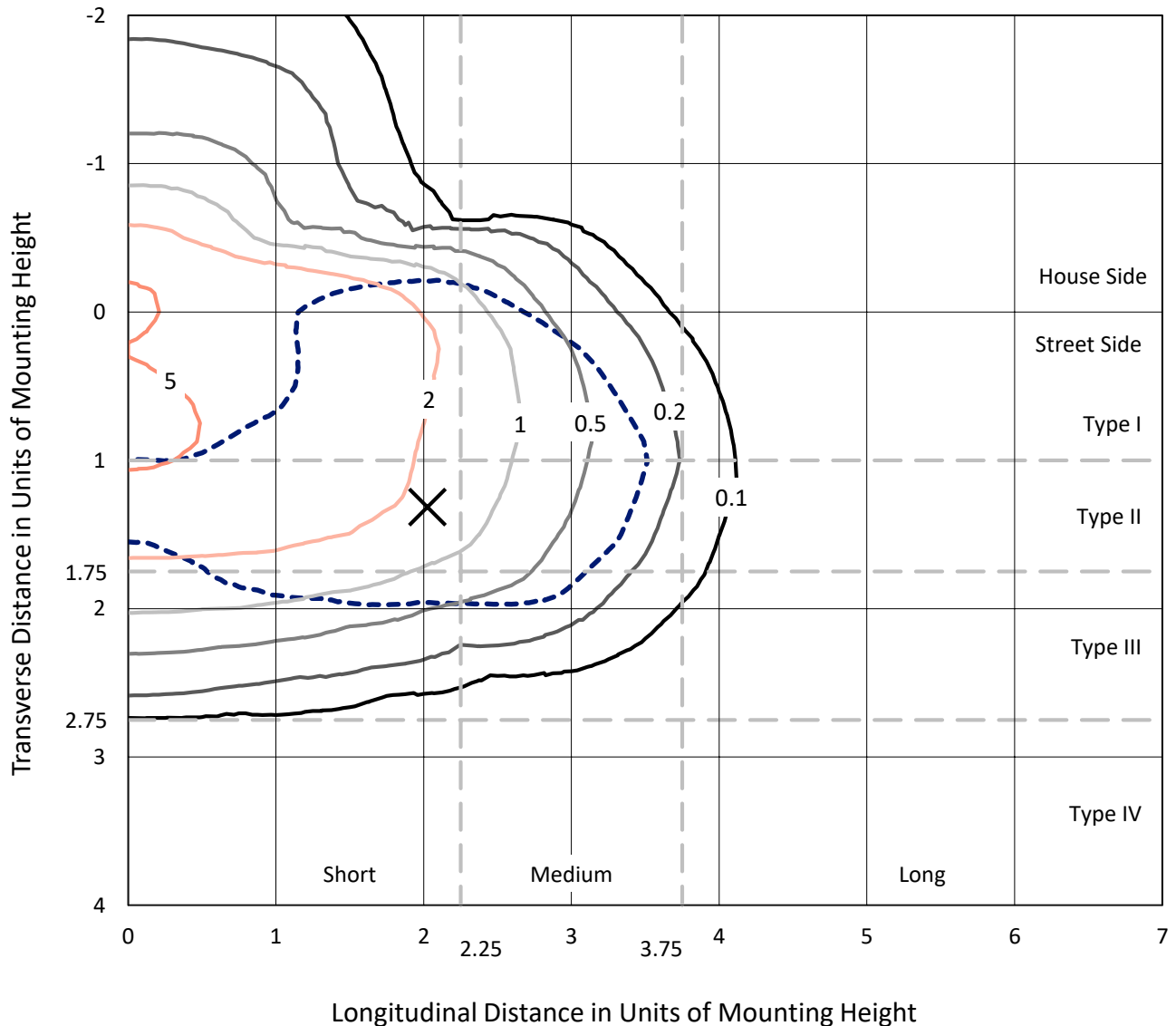


REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

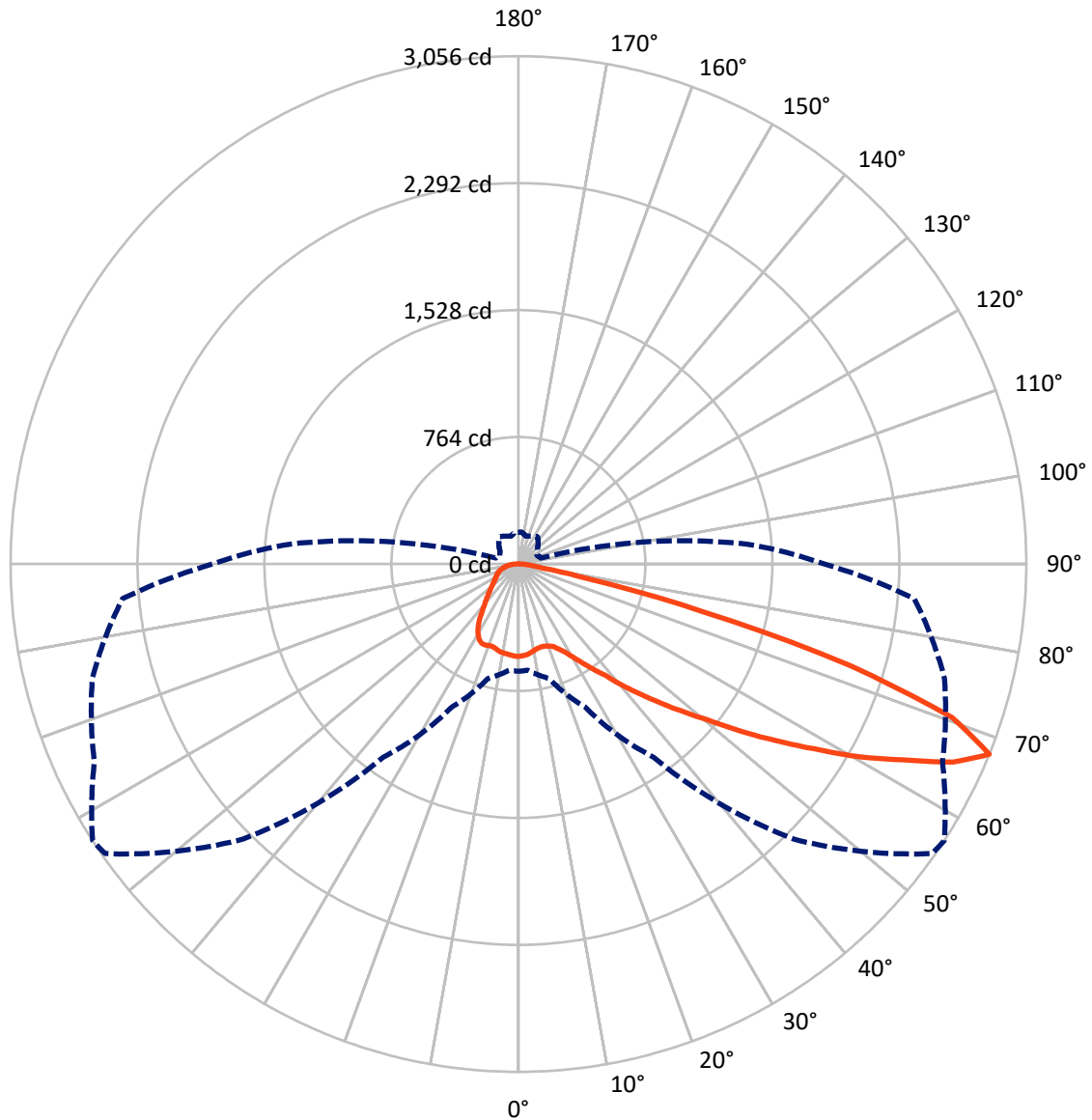


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - Cutoff

REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

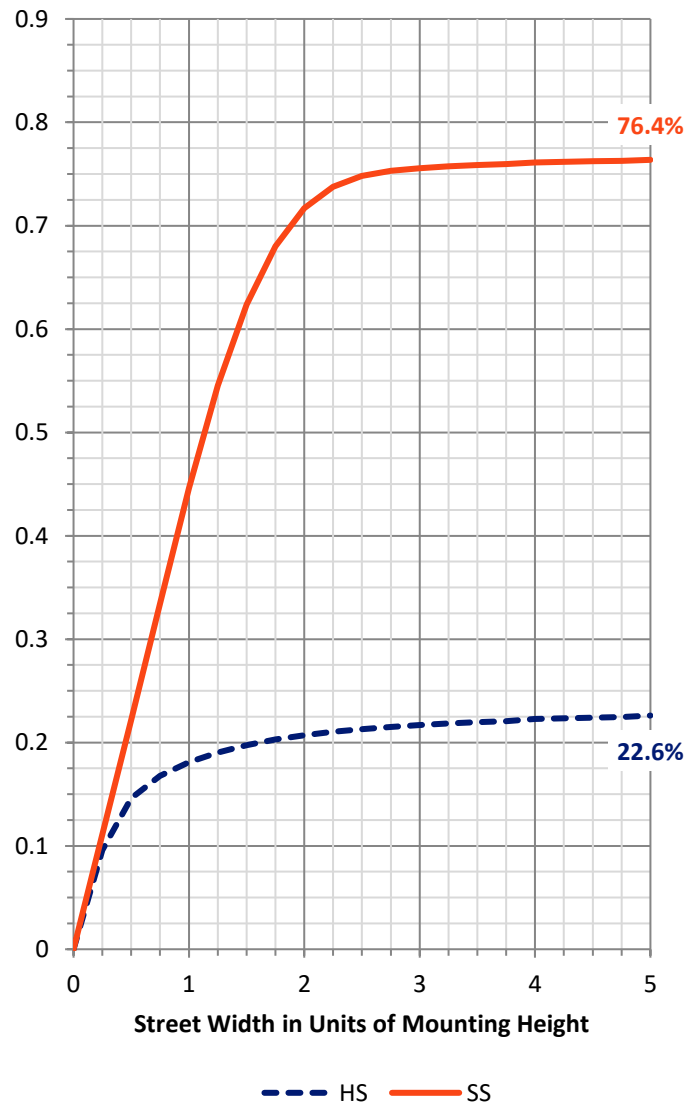
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 976.2 | 1.2 | 977.5 |
| | % Fixture | 23.3 | 0.0 | 23.3 |
| Street Side | Lumens | 3217.3 | 0.3 | 3217.6 |
| | % Fixture | 76.7 | 0.0 | 76.7 |
| Total | Lumens | 4193.5 | 1.6 | 4195.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.0 | 1.2 |
| 10°-20° | 149.4 | 3.6 |
| 20°-30° | 257.2 | 6.1 |
| 30°-40° | 418.1 | 10.0 |
| 40°-50° | 674.5 | 16.1 |
| 50°-60° | 1005.5 | 24.0 |
| 60°-70° | 1132.5 | 27.0 |
| 70°-80° | 436.6 | 10.4 |
| 80°-90° | 67.7 | 1.6 |
| 90°-100° | 1.6 | 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° | 4193.5 | 100.0 |
| 0°-180° | 4195.1 | 100.0 |



REPORT NUMBER: P226486

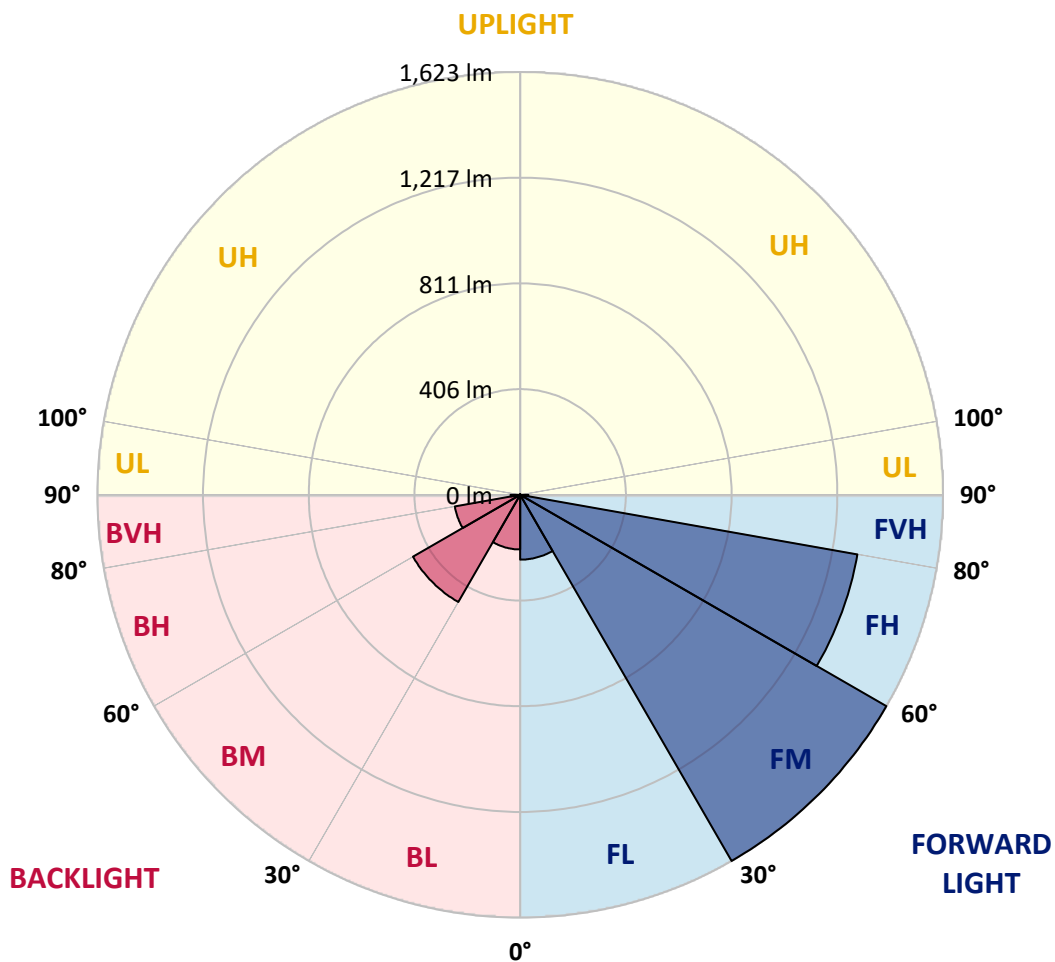
CATALOG NUMBER: IST-AF-600-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 248.8 | 5.9 | | | |
| FM | (30°-60°) | 1623.0 | 38.7 | | | |
| FH | (60°-80°) | 1314.4 | 31.3 | | | G1/1800 |
| FVH | (80°-90°) | 31.1 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 209.8 | 5.0 | B1/500 | | |
| BM | (30°-60°) | 475.1 | 11.3 | B1/1000 | | |
| BH | (60°-80°) | 254.7 | 6.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 36.6 | 0.9 | | | G1/100 |
| UL | (90°-100°) | 1.6 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 1.2 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type III Short





REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 |
| 2.5° | 551.7 | 552.9 | 554.1 | 553.5 | 553.5 | 553.5 | 553.5 | 552.3 | 554.1 | 554.1 | 552.9 |
| 5° | 542.6 | 543.2 | 543.8 | 545.0 | 546.2 | 547.4 | 548.0 | 548.0 | 548.6 | 548.0 | 546.8 |
| 7.5° | 529.2 | 529.8 | 532.2 | 532.2 | 533.5 | 535.9 | 537.0 | 538.3 | 540.1 | 540.1 | 539.5 |
| 10° | 525.0 | 525.0 | 525.0 | 523.1 | 524.4 | 525.0 | 526.7 | 526.7 | 531.6 | 534.1 | 535.3 |
| 12.5° | 529.8 | 529.2 | 529.2 | 524.4 | 520.1 | 518.2 | 520.1 | 520.7 | 526.1 | 529.8 | 532.2 |
| 15° | 540.7 | 540.7 | 539.5 | 532.2 | 523.8 | 517.0 | 516.4 | 516.4 | 520.7 | 526.1 | 530.4 |
| 17.5° | 566.2 | 568.7 | 560.2 | 548.6 | 534.7 | 523.8 | 519.5 | 518.8 | 521.9 | 526.1 | 530.4 |
| 20° | 614.9 | 614.3 | 601.5 | 580.8 | 556.5 | 538.3 | 527.9 | 526.7 | 526.1 | 528.6 | 533.5 |
| 22.5° | 672.6 | 670.1 | 655.0 | 628.8 | 595.5 | 562.0 | 542.0 | 539.5 | 534.7 | 536.4 | 543.2 |
| 25° | 734.6 | 735.2 | 716.4 | 682.3 | 640.4 | 600.3 | 569.9 | 567.4 | 557.1 | 556.0 | 563.2 |
| 27.5° | 796.6 | 804.4 | 778.9 | 746.7 | 696.8 | 648.9 | 604.6 | 600.9 | 591.8 | 588.7 | 596.1 |
| 30° | 887.0 | 884.0 | 852.4 | 810.5 | 760.7 | 700.5 | 658.0 | 651.3 | 633.1 | 637.3 | 645.3 |
| 32.5° | 963.6 | 970.3 | 941.7 | 891.9 | 826.3 | 763.1 | 713.9 | 710.2 | 692.6 | 697.4 | 708.4 |
| 35° | 1057.1 | 1073.0 | 1035.3 | 974.0 | 910.7 | 845.8 | 786.8 | 777.0 | 763.1 | 772.8 | 781.3 |
| 37.5° | 1164.1 | 1172.0 | 1142.8 | 1063.9 | 999.4 | 931.4 | 864.6 | 849.4 | 834.2 | 854.3 | 869.4 |
| 40° | 1266.2 | 1278.9 | 1241.2 | 1174.4 | 1099.7 | 1034.7 | 961.8 | 958.7 | 923.5 | 945.4 | 984.9 |
| 42.5° | 1417.5 | 1433.3 | 1373.1 | 1295.4 | 1227.8 | 1149.5 | 1080.2 | 1063.9 | 1025.6 | 1056.6 | 1122.8 |
| 45° | 1523.2 | 1522.6 | 1481.8 | 1417.5 | 1376.2 | 1300.2 | 1206.7 | 1187.2 | 1145.9 | 1187.2 | 1275.9 |
| 47.5° | 1561.4 | 1570.5 | 1556.6 | 1548.6 | 1534.1 | 1478.8 | 1340.9 | 1322.7 | 1283.8 | 1345.2 | 1427.2 |
| 50° | 1618.0 | 1615.5 | 1615.5 | 1664.1 | 1706.1 | 1694.5 | 1498.2 | 1472.1 | 1431.4 | 1505.0 | 1622.8 |
| 52.5° | 1632.5 | 1610.6 | 1644.7 | 1737.7 | 1870.7 | 1880.4 | 1681.1 | 1666.6 | 1618.0 | 1689.6 | 1834.9 |
| 55° | 1591.8 | 1586.4 | 1640.4 | 1775.3 | 1984.9 | 2054.2 | 1893.2 | 1873.1 | 1818.5 | 1879.8 | 2063.9 |
| 57.5° | 1500.7 | 1514.7 | 1601.5 | 1767.5 | 2063.9 | 2207.3 | 2125.9 | 2097.4 | 2018.9 | 2056.0 | 2291.1 |
| 60° | 1405.3 | 1412.0 | 1526.9 | 1739.4 | 2085.2 | 2313.6 | 2370.1 | 2353.7 | 2219.4 | 2241.3 | 2459.5 |
| 62.5° | 1299.6 | 1283.8 | 1402.9 | 1716.4 | 2061.5 | 2460.0 | 2607.1 | 2594.3 | 2435.7 | 2429.1 | 2579.2 |
| 65° | 1004.3 | 1026.2 | 1127.6 | 1418.6 | 1899.2 | 2574.3 | 2889.6 | 2873.2 | 2677.0 | 2584.0 | 2566.4 |
| 67.5° | 645.3 | 641.0 | 712.7 | 948.4 | 1419.2 | 2339.7 | 3037.2 | 3055.5 | 2814.9 | 2653.8 | 2390.1 |
| 70° | 231.5 | 238.1 | 264.9 | 430.8 | 778.3 | 1559.0 | 2677.6 | 2768.1 | 2713.4 | 2523.2 | 1945.4 |
| 72.5° | 141.0 | 141.0 | 160.4 | 193.8 | 315.4 | 739.4 | 1908.4 | 2087.6 | 2214.6 | 2079.0 | 1436.9 |
| 75° | 110.6 | 110.0 | 116.6 | 133.7 | 170.1 | 242.4 | 1014.7 | 1153.2 | 1420.5 | 1436.3 | 817.7 |
| 77.5° | 87.5 | 86.8 | 93.6 | 101.5 | 126.9 | 128.2 | 323.9 | 421.7 | 651.9 | 613.7 | 292.3 |
| 80° | 70.5 | 69.9 | 74.8 | 77.1 | 93.0 | 88.7 | 130.0 | 150.7 | 228.4 | 200.5 | 126.3 |
| 82.5° | 63.8 | 63.8 | 68.6 | 58.9 | 64.4 | 62.6 | 80.8 | 86.2 | 114.9 | 119.1 | 75.9 |
| 85° | 41.3 | 42.6 | 64.4 | 57.1 | 41.9 | 38.3 | 51.7 | 54.7 | 71.7 | 78.4 | 37.0 |
| 87.5° | 19.4 | 21.3 | 49.2 | 47.4 | 27.9 | 20.7 | 29.2 | 31.0 | 38.9 | 48.0 | 21.9 |
| 90° | 3.7 | 3.7 | 6.0 | 6.6 | 3.7 | 3.7 | 4.9 | 4.3 | 4.3 | 6.0 | 6.0 |
| 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 | 556.0 |
| 2.5° | 554.7 | 553.5 | 554.1 | 554.7 | 555.4 | 557.1 | 557.7 | 557.7 | 557.7 | 557.1 | 558.3 |
| 5° | 548.0 | 546.8 | 546.8 | 548.6 | 550.4 | 552.9 | 556.5 | 559.6 | 560.8 | 561.4 | 561.4 |
| 7.5° | 540.7 | 539.5 | 540.1 | 543.2 | 546.2 | 548.0 | 551.7 | 553.5 | 558.3 | 558.3 | 559.6 |
| 10° | 535.9 | 537.0 | 537.7 | 540.7 | 543.2 | 543.2 | 542.6 | 541.3 | 540.1 | 543.2 | 542.0 |
| 12.5° | 532.9 | 534.7 | 534.1 | 537.7 | 538.9 | 534.1 | 526.7 | 517.0 | 515.9 | 517.0 | 518.2 |
| 15° | 531.6 | 531.6 | 533.5 | 533.5 | 527.3 | 517.6 | 508.5 | 509.1 | 510.4 | 514.0 | 514.0 |
| 17.5° | 531.6 | 532.2 | 533.5 | 529.2 | 518.2 | 509.7 | 507.9 | 506.1 | 499.4 | 497.6 | 495.8 |
| 20° | 535.9 | 534.7 | 535.9 | 527.9 | 518.2 | 511.6 | 497.6 | 484.3 | 471.5 | 466.0 | 463.6 |
| 22.5° | 546.2 | 544.4 | 543.8 | 535.9 | 523.8 | 501.2 | 473.9 | 453.3 | 431.4 | 424.1 | 421.7 |
| 25° | 564.5 | 563.9 | 559.6 | 554.1 | 520.1 | 476.3 | 441.7 | 408.9 | 385.2 | 372.5 | 373.1 |
| 27.5° | 596.6 | 596.6 | 594.2 | 569.9 | 501.2 | 445.4 | 398.5 | 365.2 | 340.8 | 328.7 | 326.8 |
| 30° | 645.3 | 646.4 | 647.6 | 574.2 | 471.5 | 399.8 | 351.2 | 328.7 | 314.1 | 305.0 | 304.4 |
| 32.5° | 705.4 | 712.1 | 704.2 | 569.3 | 430.8 | 344.5 | 314.1 | 306.2 | 298.9 | 292.9 | 292.3 |
| 35° | 785.0 | 803.2 | 753.4 | 549.8 | 385.2 | 306.8 | 291.6 | 286.1 | 280.7 | 276.4 | 277.0 |
| 37.5° | 891.9 | 909.5 | 785.0 | 517.0 | 326.8 | 285.5 | 278.9 | 270.4 | 261.9 | 252.8 | 251.5 |
| 40° | 1018.2 | 1012.8 | 796.0 | 455.1 | 290.4 | 275.3 | 266.1 | 255.2 | 240.6 | 227.2 | 224.8 |
| 42.5° | 1144.7 | 1108.2 | 786.8 | 378.5 | 266.7 | 266.1 | 253.4 | 239.4 | 224.8 | 213.3 | 213.3 |
| 45° | 1286.3 | 1192.0 | 758.8 | 306.8 | 247.9 | 256.4 | 240.6 | 226.0 | 212.7 | 204.2 | 203.6 |
| 47.5° | 1419.9 | 1270.4 | 712.7 | 255.7 | 229.0 | 243.7 | 230.9 | 217.5 | 204.8 | 197.4 | 195.6 |
| 50° | 1576.7 | 1359.7 | 677.4 | 221.2 | 210.8 | 230.9 | 225.5 | 213.3 | 201.1 | 192.6 | 191.4 |
| 52.5° | 1735.2 | 1446.7 | 650.7 | 197.4 | 194.5 | 221.2 | 223.0 | 215.6 | 203.0 | 186.5 | 185.4 |
| 55° | 1901.1 | 1555.4 | 597.2 | 178.6 | 179.8 | 213.9 | 226.0 | 220.5 | 211.4 | 184.7 | 183.5 |
| 57.5° | 2040.2 | 1655.6 | 503.7 | 165.8 | 168.3 | 208.4 | 227.2 | 216.9 | 206.5 | 185.9 | 184.1 |
| 60° | 2149.0 | 1724.3 | 369.4 | 155.5 | 157.9 | 202.3 | 221.8 | 204.2 | 190.8 | 185.9 | 182.9 |
| 62.5° | 2182.4 | 1726.7 | 245.5 | 143.4 | 150.1 | 192.0 | 212.1 | 197.4 | 181.7 | 184.1 | 182.9 |
| 65° | 2098.6 | 1635.6 | 175.5 | 131.9 | 143.4 | 179.8 | 207.8 | 190.8 | 177.4 | 187.1 | 185.9 |
| 67.5° | 1840.3 | 1377.9 | 141.0 | 122.8 | 134.3 | 167.0 | 199.9 | 184.7 | 173.8 | 193.8 | 190.2 |
| 70° | 1433.9 | 988.5 | 119.7 | 113.6 | 124.6 | 155.0 | 188.9 | 178.0 | 168.9 | 188.3 | 183.5 |
| 72.5° | 945.4 | 582.1 | 105.7 | 105.2 | 113.0 | 144.6 | 176.8 | 172.0 | 161.0 | 170.7 | 163.5 |
| 75° | 493.4 | 269.8 | 91.8 | 95.3 | 100.2 | 135.4 | 165.8 | 161.0 | 148.8 | 152.5 | 150.1 |
| 77.5° | 193.8 | 126.3 | 79.6 | 83.9 | 89.3 | 122.1 | 151.9 | 147.0 | 136.7 | 133.7 | 133.1 |
| 80° | 106.3 | 85.1 | 66.2 | 71.7 | 75.3 | 110.0 | 137.3 | 131.9 | 120.9 | 119.1 | 117.2 |
| 82.5° | 67.4 | 55.2 | 54.7 | 58.3 | 63.2 | 97.8 | 123.4 | 114.9 | 105.7 | 124.6 | 100.9 |
| 85° | 31.6 | 32.8 | 38.9 | 43.8 | 49.2 | 83.3 | 107.5 | 98.4 | 89.3 | 86.8 | 77.1 |
| 87.5° | 17.6 | 21.9 | 25.5 | 29.8 | 34.1 | 58.3 | 85.1 | 76.5 | 66.8 | 57.1 | 58.9 |
| 90° | 4.3 | 4.3 | 7.3 | 6.6 | 7.3 | 8.5 | 41.9 | 37.6 | 33.5 | 15.8 | 10.3 |
| 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226486

CATALOG NUMBER: IST-AF-600-LED-E1-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 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 |

(END OF REPORT)