

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: P226978

Luminaire Tested: **IST-AF-600-LED-E1-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
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-SL3-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3161.2 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

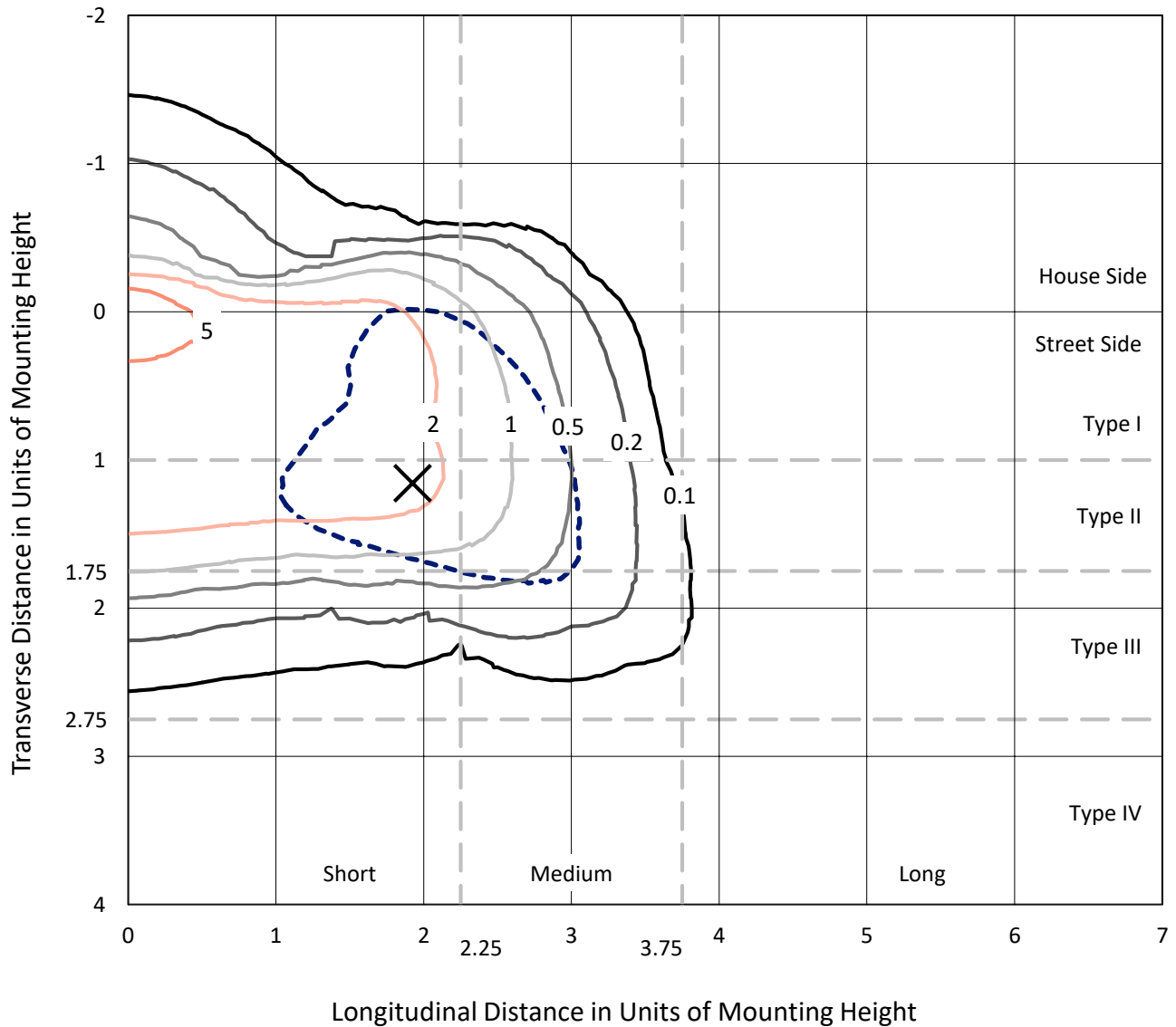
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

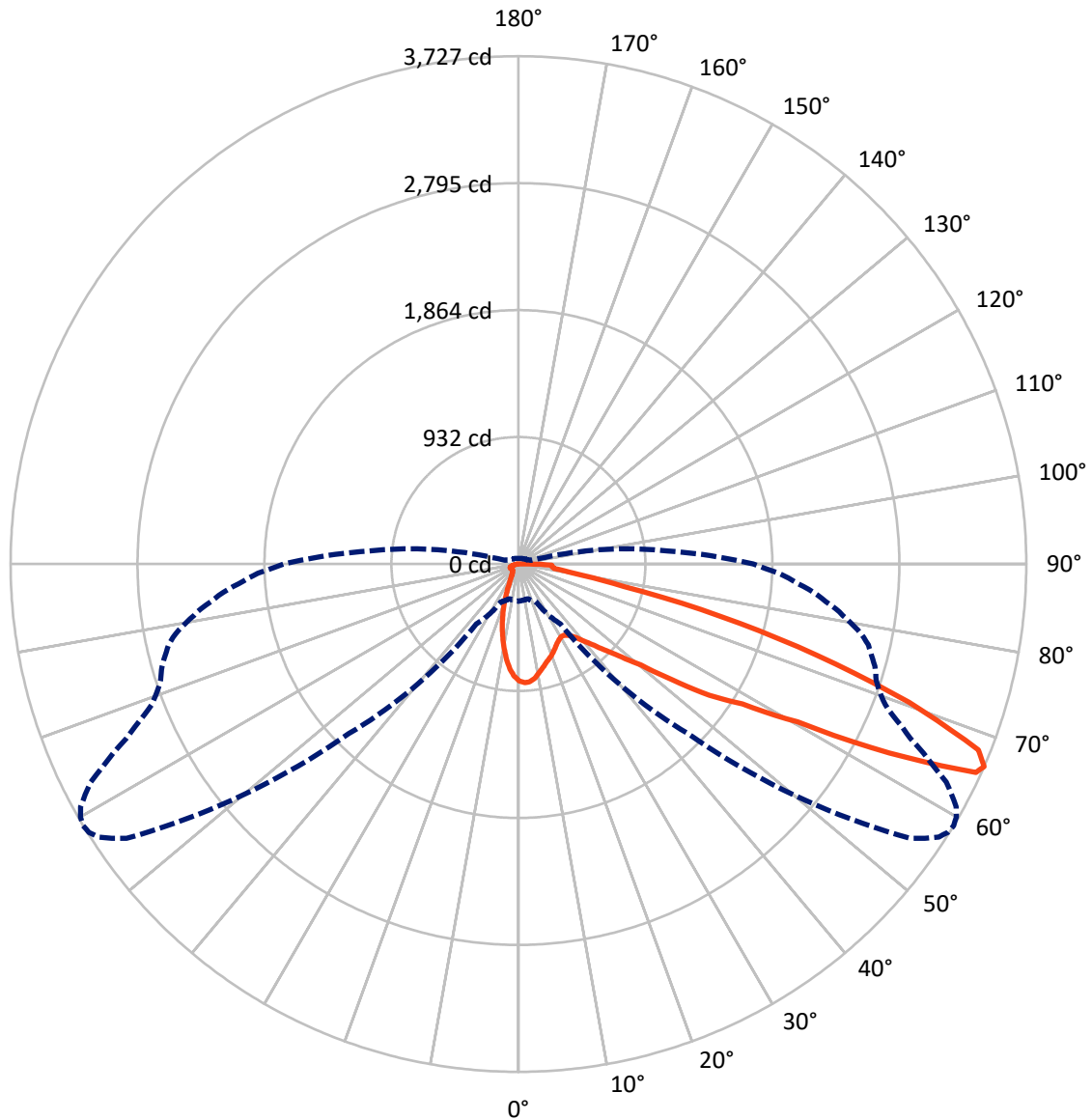
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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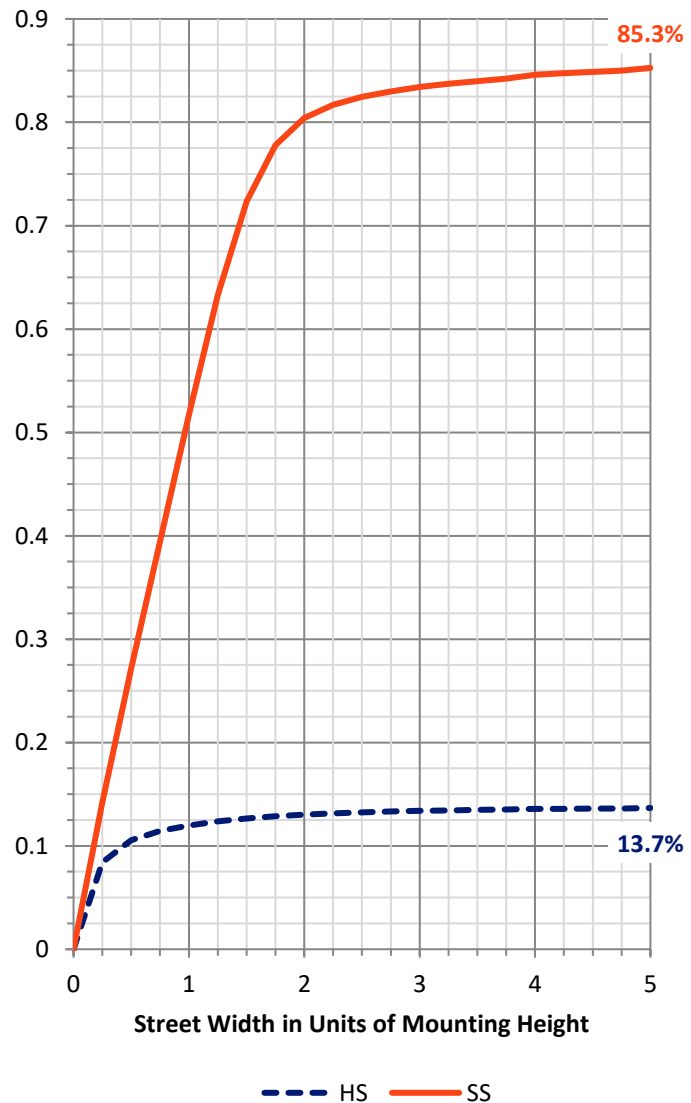
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 438.6 | 0.2 | 438.8 |
| | % Fixture | 13.9 | 0.0 | 13.9 |
| Street Side | Lumens | 2721.3 | 1.2 | 2722.4 |
| | % Fixture | 86.1 | 0.0 | 86.1 |
| Total | Lumens | 3159.9 | 1.4 | 3161.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.2 | 2.3 |
| 10°-20° | 154.6 | 4.9 |
| 20°-30° | 194.0 | 6.1 |
| 30°-40° | 265.4 | 8.4 |
| 40°-50° | 427.0 | 13.5 |
| 50°-60° | 741.9 | 23.5 |
| 60°-70° | 901.4 | 28.5 |
| 70°-80° | 336.3 | 10.6 |
| 80°-90° | 66.1 | 2.1 |
| 90°-100° | 1.4 | 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° | 3159.9 | 100.0 |
| 0°-180° | 3161.2 | 100.0 |



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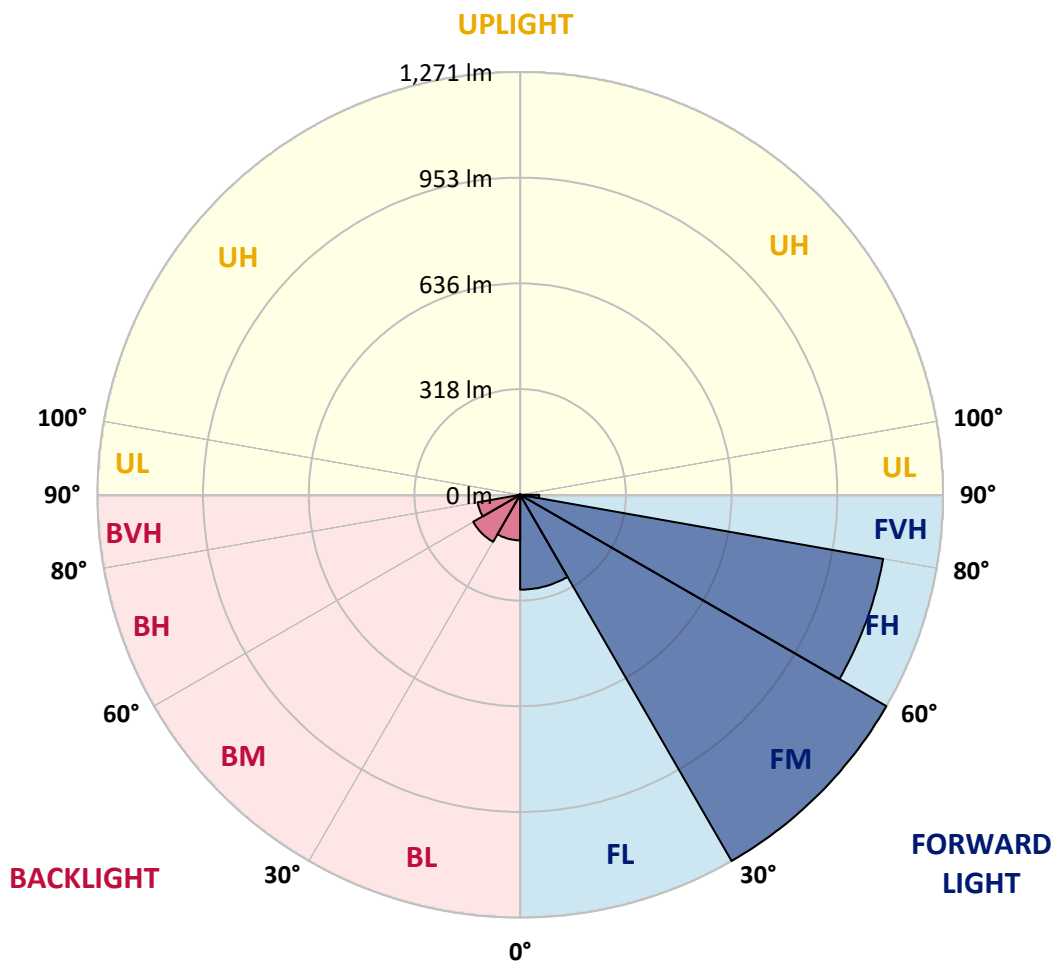
CATALOG NUMBER: IST-AF-600-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 285.1 | 9.0 | | | |
| FM | (30°-60°) | 1271.2 | 40.2 | | | |
| FH | (60°-80°) | 1108.0 | 35.0 | | | G1/1800 |
| FVH | (80°-90°) | 57.1 | 1.8 | | | G1/100 |
| BL | (0°-30°) | 136.8 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 163.1 | 5.2 | B0/220 | | |
| BH | (60°-80°) | 129.7 | 4.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.1 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 1.4 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.2 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 |
| 2.5° | 881.1 | 878.2 | 883.5 | 881.6 | 883.0 | 875.8 | 874.3 | 872.9 | 873.8 | 872.4 | 872.4 |
| 5° | 860.3 | 858.8 | 865.1 | 868.5 | 871.4 | 870.4 | 870.0 | 870.0 | 870.4 | 867.1 | 867.5 |
| 7.5° | 799.2 | 798.2 | 807.0 | 813.3 | 827.3 | 835.6 | 846.2 | 846.7 | 847.7 | 846.2 | 849.1 |
| 10° | 734.3 | 737.2 | 744.9 | 755.1 | 775.9 | 788.5 | 808.9 | 812.8 | 814.2 | 814.7 | 815.2 |
| 12.5° | 672.2 | 669.3 | 679.0 | 698.4 | 726.5 | 746.9 | 772.5 | 774.5 | 776.9 | 780.3 | 783.7 |
| 15° | 617.0 | 620.4 | 628.1 | 648.5 | 678.0 | 706.6 | 740.1 | 742.0 | 746.9 | 749.8 | 754.6 |
| 17.5° | 579.2 | 579.2 | 587.9 | 606.8 | 634.4 | 670.8 | 712.9 | 716.3 | 720.2 | 724.1 | 729.4 |
| 20° | 560.3 | 560.3 | 563.7 | 574.8 | 599.0 | 633.9 | 684.8 | 688.7 | 695.5 | 699.8 | 707.1 |
| 22.5° | 558.8 | 558.3 | 557.8 | 560.3 | 574.8 | 601.9 | 654.8 | 660.1 | 665.9 | 672.7 | 679.0 |
| 25° | 574.3 | 575.8 | 570.0 | 566.1 | 567.5 | 580.1 | 626.2 | 629.1 | 640.2 | 644.6 | 652.4 |
| 27.5° | 596.6 | 599.0 | 594.2 | 588.4 | 579.7 | 571.4 | 601.9 | 606.8 | 614.1 | 621.3 | 631.0 |
| 30° | 628.6 | 628.1 | 627.6 | 623.8 | 606.8 | 581.1 | 594.7 | 598.1 | 604.4 | 610.2 | 618.4 |
| 32.5° | 663.0 | 666.9 | 669.8 | 667.9 | 650.4 | 606.8 | 604.9 | 607.8 | 613.6 | 617.0 | 622.3 |
| 35° | 707.6 | 709.5 | 720.7 | 720.7 | 703.2 | 652.8 | 633.4 | 635.9 | 638.8 | 640.2 | 644.1 |
| 37.5° | 756.6 | 763.3 | 779.8 | 789.5 | 762.4 | 710.0 | 678.5 | 678.5 | 680.0 | 680.9 | 683.4 |
| 40° | 813.3 | 823.0 | 845.7 | 864.1 | 846.7 | 781.3 | 737.7 | 742.0 | 740.6 | 738.6 | 744.0 |
| 42.5° | 879.2 | 889.8 | 917.5 | 934.9 | 924.7 | 867.1 | 817.1 | 814.2 | 818.6 | 812.8 | 814.7 |
| 45° | 955.7 | 964.0 | 992.1 | 1010.5 | 1018.8 | 972.2 | 921.3 | 915.5 | 915.5 | 902.9 | 908.2 |
| 47.5° | 1024.6 | 1027.0 | 1054.1 | 1086.6 | 1113.3 | 1114.2 | 1042.5 | 1038.6 | 1029.4 | 1021.2 | 1019.2 |
| 50° | 1088.5 | 1095.8 | 1113.3 | 1148.6 | 1204.4 | 1252.8 | 1209.2 | 1197.1 | 1186.9 | 1156.4 | 1165.6 |
| 52.5° | 1199.5 | 1213.6 | 1224.7 | 1246.1 | 1312.0 | 1410.4 | 1464.2 | 1445.3 | 1442.8 | 1415.2 | 1408.9 |
| 55° | 1220.4 | 1221.8 | 1258.7 | 1381.8 | 1536.9 | 1607.6 | 1710.8 | 1710.4 | 1718.1 | 1709.4 | 1701.2 |
| 57.5° | 1122.5 | 1110.8 | 1172.4 | 1334.7 | 1646.4 | 2009.9 | 1978.4 | 1981.8 | 1971.6 | 1944.9 | 1936.7 |
| 60° | 874.3 | 884.0 | 950.4 | 1157.4 | 1567.4 | 2269.7 | 2477.6 | 2416.0 | 2460.1 | 2390.8 | 2353.5 |
| 62.5° | 491.9 | 480.8 | 525.9 | 743.5 | 1285.8 | 2283.2 | 3157.5 | 3164.3 | 3185.7 | 3146.9 | 3055.8 |
| 65° | 317.5 | 312.6 | 308.2 | 376.1 | 770.6 | 1997.3 | 3533.6 | 3617.0 | 3666.9 | 3687.3 | 3688.7 |
| 66° | 272.9 | 269.0 | 263.7 | 307.8 | 537.0 | 1759.8 | 3509.4 | 3598.6 | 3678.1 | 3715.9 | 3727.0 |
| 67.5° | 232.2 | 226.3 | 225.4 | 254.9 | 373.7 | 1365.3 | 3278.2 | 3418.3 | 3488.6 | 3586.5 | 3639.8 |
| 70° | 177.4 | 174.5 | 183.2 | 220.0 | 286.9 | 642.7 | 2612.3 | 2795.0 | 2916.2 | 2992.8 | 3042.2 |
| 72.5° | 148.8 | 147.8 | 159.9 | 201.1 | 271.9 | 364.5 | 1828.6 | 2024.9 | 2151.4 | 2224.6 | 2292.4 |
| 75° | 116.3 | 117.3 | 133.3 | 191.9 | 270.4 | 317.5 | 1062.4 | 1249.4 | 1323.1 | 1438.5 | 1526.7 |
| 77.5° | 87.2 | 86.3 | 98.9 | 155.1 | 263.7 | 321.8 | 552.0 | 629.6 | 710.5 | 769.2 | 790.5 |
| 80° | 61.1 | 62.0 | 70.8 | 106.6 | 205.5 | 331.0 | 344.1 | 362.0 | 379.0 | 397.9 | 401.8 |
| 82.5° | 40.7 | 41.2 | 52.3 | 73.2 | 142.5 | 316.0 | 321.3 | 313.1 | 300.0 | 283.5 | 265.6 |
| 85° | 24.7 | 25.7 | 37.3 | 49.4 | 110.5 | 285.9 | 332.5 | 310.7 | 290.8 | 269.0 | 247.2 |
| 87.5° | 12.6 | 14.1 | 22.3 | 29.1 | 65.4 | 141.0 | 346.0 | 330.1 | 302.9 | 269.5 | 245.2 |
| 90° | 3.4 | 3.4 | 4.8 | 7.3 | 13.1 | 28.6 | 87.2 | 78.5 | 39.3 | 74.6 | 36.8 |
| 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-600-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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-600-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 |
| 2.5° | 871.9 | 872.9 | 871.9 | 870.4 | 871.9 | 870.4 | 870.0 | 869.5 | 870.0 | 869.0 | 868.5 |
| 5° | 867.5 | 868.5 | 868.5 | 865.6 | 865.1 | 867.1 | 864.1 | 865.1 | 864.1 | 863.2 | 861.2 |
| 7.5° | 846.7 | 847.2 | 847.7 | 845.7 | 847.2 | 847.2 | 846.2 | 846.2 | 845.2 | 845.7 | 843.8 |
| 10° | 817.6 | 819.6 | 821.5 | 820.5 | 820.0 | 824.4 | 822.5 | 823.9 | 823.9 | 822.5 | 823.0 |
| 12.5° | 786.1 | 789.5 | 791.9 | 791.9 | 793.9 | 798.7 | 798.2 | 799.2 | 803.1 | 803.1 | 801.6 |
| 15° | 757.0 | 760.4 | 764.3 | 767.2 | 771.1 | 774.5 | 776.9 | 780.8 | 782.7 | 782.7 | 785.1 |
| 17.5° | 734.3 | 739.1 | 743.5 | 744.9 | 750.3 | 756.1 | 757.5 | 762.4 | 765.3 | 766.7 | 769.6 |
| 20° | 712.0 | 717.3 | 722.6 | 727.5 | 732.3 | 739.1 | 742.5 | 745.4 | 750.3 | 753.2 | 757.5 |
| 22.5° | 685.8 | 694.0 | 700.8 | 706.6 | 714.9 | 720.7 | 727.5 | 732.3 | 738.1 | 742.5 | 745.9 |
| 25° | 661.1 | 672.2 | 681.4 | 687.2 | 698.4 | 706.6 | 714.9 | 722.1 | 729.4 | 735.7 | 740.6 |
| 27.5° | 638.3 | 650.9 | 662.0 | 671.3 | 683.4 | 696.5 | 704.7 | 716.8 | 726.5 | 735.2 | 741.0 |
| 30° | 627.1 | 637.8 | 649.4 | 660.1 | 672.2 | 688.7 | 702.3 | 717.8 | 729.9 | 741.0 | 749.8 |
| 32.5° | 629.6 | 639.3 | 649.4 | 658.7 | 671.3 | 689.7 | 703.7 | 721.7 | 739.6 | 754.1 | 765.3 |
| 35° | 649.0 | 657.7 | 664.5 | 672.7 | 683.9 | 697.9 | 712.9 | 731.8 | 754.1 | 773.5 | 788.1 |
| 37.5° | 689.7 | 692.1 | 698.9 | 705.2 | 711.0 | 724.1 | 738.1 | 754.1 | 779.8 | 800.2 | 820.5 |
| 40° | 740.1 | 746.4 | 752.7 | 755.6 | 762.4 | 770.6 | 776.9 | 793.9 | 816.6 | 843.3 | 865.6 |
| 42.5° | 815.2 | 817.6 | 818.6 | 819.6 | 822.0 | 827.8 | 837.0 | 852.5 | 874.8 | 898.6 | 923.3 |
| 45° | 899.5 | 902.4 | 905.3 | 906.8 | 903.4 | 906.8 | 916.5 | 923.8 | 945.6 | 967.9 | 999.4 |
| 47.5° | 1016.3 | 1007.6 | 1003.2 | 1009.1 | 1006.2 | 1013.4 | 1017.8 | 1022.1 | 1048.3 | 1075.0 | 1101.6 |
| 50° | 1166.1 | 1160.8 | 1154.0 | 1154.5 | 1159.8 | 1154.9 | 1157.8 | 1173.8 | 1182.6 | 1204.9 | 1240.2 |
| 52.5° | 1405.5 | 1389.0 | 1363.3 | 1352.2 | 1358.5 | 1354.6 | 1356.1 | 1359.5 | 1353.7 | 1374.5 | 1404.5 |
| 55° | 1701.2 | 1679.8 | 1662.9 | 1653.2 | 1617.3 | 1614.4 | 1590.6 | 1581.9 | 1563.0 | 1582.9 | 1576.1 |
| 57.5° | 1912.0 | 1898.4 | 1889.7 | 1860.6 | 1844.1 | 1811.2 | 1801.5 | 1789.8 | 1763.7 | 1776.8 | 1788.4 |
| 60° | 2319.1 | 2270.6 | 2254.1 | 2203.3 | 2186.3 | 2154.8 | 2114.6 | 2094.7 | 2081.1 | 2093.7 | 2086.0 |
| 62.5° | 2998.6 | 2931.2 | 2918.1 | 2797.4 | 2767.9 | 2695.2 | 2619.6 | 2609.4 | 2566.8 | 2540.1 | 2533.8 |
| 65° | 3662.1 | 3565.6 | 3493.4 | 3361.6 | 3272.4 | 3168.7 | 3053.3 | 2969.0 | 2882.3 | 2838.6 | 2781.0 |
| 66° | 3711.5 | 3673.2 | 3600.5 | 3523.5 | 3393.6 | 3280.2 | 3149.3 | 3058.2 | 2960.8 | 2884.2 | 2834.8 |
| 67.5° | 3627.2 | 3606.8 | 3581.1 | 3528.8 | 3447.4 | 3341.7 | 3217.6 | 3101.3 | 2984.0 | 2893.9 | 2814.9 |
| 70° | 3065.9 | 3088.2 | 3117.3 | 3103.8 | 3057.2 | 3016.0 | 2906.5 | 2841.6 | 2753.3 | 2635.1 | 2586.6 |
| 72.5° | 2314.2 | 2373.9 | 2353.5 | 2276.9 | 2241.1 | 2212.5 | 2172.7 | 2129.1 | 2002.6 | 1988.1 | 1930.9 |
| 75° | 1488.9 | 1469.0 | 1482.1 | 1389.0 | 1325.5 | 1299.4 | 1204.9 | 1166.1 | 1071.1 | 1009.5 | 962.5 |
| 77.5° | 784.7 | 745.9 | 715.8 | 633.9 | 575.3 | 540.9 | 494.8 | 440.6 | 357.2 | 352.3 | 276.3 |
| 80° | 364.0 | 334.4 | 307.3 | 278.7 | 250.1 | 212.3 | 184.2 | 150.2 | 132.8 | 113.9 | 106.1 |
| 82.5° | 247.2 | 228.3 | 211.8 | 192.9 | 171.1 | 144.9 | 125.0 | 106.1 | 90.6 | 81.4 | 74.2 |
| 85° | 223.9 | 203.6 | 185.1 | 161.4 | 138.6 | 116.8 | 95.5 | 79.0 | 64.5 | 56.2 | 51.4 |
| 87.5° | 217.6 | 192.4 | 173.0 | 147.3 | 125.0 | 102.7 | 82.4 | 64.0 | 49.9 | 40.7 | 34.9 |
| 90° | 27.6 | 29.6 | 21.3 | 20.4 | 8.7 | 11.1 | 8.2 | 4.8 | 5.3 | 3.9 | 4.4 |
| 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: P226978

CATALOG NUMBER: IST-AF-600-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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: P226978
 CATALOG NUMBER: IST-AF-600-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 |
| 2.5° | 867.5 | 866.1 | 867.5 | 867.1 | 865.1 | 865.6 | 866.1 | 864.1 | 863.2 | 863.2 | 862.7 |
| 5° | 859.8 | 858.8 | 859.8 | 859.3 | 856.4 | 855.9 | 855.9 | 854.5 | 852.5 | 851.1 | 850.1 |
| 7.5° | 841.4 | 842.3 | 841.9 | 840.4 | 838.9 | 838.9 | 837.5 | 834.1 | 832.2 | 830.2 | 828.3 |
| 10° | 820.5 | 820.5 | 821.0 | 820.5 | 818.1 | 817.1 | 815.2 | 813.3 | 813.7 | 808.9 | 805.0 |
| 12.5° | 802.1 | 802.1 | 801.6 | 800.7 | 799.2 | 798.7 | 798.7 | 792.9 | 791.4 | 790.0 | 785.6 |
| 15° | 784.7 | 785.6 | 785.6 | 785.6 | 783.2 | 783.2 | 780.8 | 776.9 | 776.9 | 772.5 | 768.2 |
| 17.5° | 771.1 | 772.5 | 772.1 | 772.5 | 773.0 | 770.1 | 765.8 | 763.3 | 760.4 | 758.0 | 752.2 |
| 20° | 759.5 | 760.4 | 760.9 | 760.9 | 759.5 | 757.5 | 753.6 | 749.8 | 747.8 | 743.0 | 735.7 |
| 22.5° | 748.8 | 750.7 | 751.2 | 751.2 | 749.3 | 747.8 | 744.0 | 738.1 | 734.3 | 728.4 | 721.7 |
| 25° | 744.4 | 746.9 | 745.4 | 746.4 | 744.4 | 741.0 | 735.7 | 730.9 | 725.0 | 717.8 | 710.5 |
| 27.5° | 745.9 | 749.3 | 748.3 | 747.8 | 745.4 | 743.0 | 736.2 | 730.4 | 723.6 | 714.9 | 705.7 |
| 30° | 754.6 | 760.4 | 758.0 | 756.1 | 755.6 | 749.8 | 743.5 | 735.2 | 727.5 | 717.3 | 706.6 |
| 32.5° | 771.1 | 774.0 | 774.5 | 773.0 | 770.6 | 765.8 | 757.0 | 746.4 | 737.7 | 725.5 | 712.9 |
| 35° | 798.2 | 801.1 | 800.2 | 800.2 | 797.7 | 790.0 | 779.3 | 768.7 | 756.6 | 743.0 | 729.9 |
| 37.5° | 836.0 | 841.4 | 840.4 | 838.5 | 835.6 | 826.3 | 818.1 | 805.0 | 791.4 | 773.5 | 758.5 |
| 40° | 883.5 | 891.8 | 899.0 | 897.6 | 890.8 | 882.6 | 874.8 | 859.8 | 846.2 | 826.3 | 809.9 |
| 42.5° | 947.5 | 958.7 | 967.9 | 974.6 | 971.7 | 961.1 | 947.5 | 941.2 | 921.8 | 901.5 | 884.5 |
| 45° | 1029.4 | 1052.7 | 1060.9 | 1069.2 | 1069.2 | 1062.4 | 1059.5 | 1046.9 | 1026.5 | 999.4 | 983.4 |
| 47.5° | 1137.5 | 1168.5 | 1177.7 | 1191.8 | 1200.0 | 1192.7 | 1187.4 | 1166.1 | 1152.5 | 1115.2 | 1111.3 |
| 50° | 1268.8 | 1299.9 | 1325.1 | 1341.5 | 1339.1 | 1345.4 | 1332.8 | 1320.7 | 1301.8 | 1271.3 | 1260.6 |
| 52.5° | 1436.5 | 1461.2 | 1484.0 | 1493.7 | 1503.9 | 1502.4 | 1499.5 | 1491.3 | 1467.5 | 1451.1 | 1423.9 |
| 55° | 1608.6 | 1628.9 | 1656.6 | 1672.6 | 1685.6 | 1683.2 | 1672.1 | 1652.2 | 1656.6 | 1622.2 | 1607.1 |
| 57.5° | 1804.4 | 1826.7 | 1856.7 | 1871.8 | 1877.6 | 1907.1 | 1899.9 | 1897.4 | 1889.2 | 1877.1 | 1861.6 |
| 60° | 2141.2 | 2147.5 | 2172.2 | 2210.0 | 2256.6 | 2247.4 | 2259.0 | 2266.7 | 2272.6 | 2245.4 | 2243.5 |
| 62.5° | 2542.5 | 2550.3 | 2571.6 | 2579.4 | 2586.1 | 2587.1 | 2571.6 | 2571.6 | 2544.9 | 2510.0 | 2482.9 |
| 65° | 2761.6 | 2745.6 | 2731.1 | 2722.8 | 2704.9 | 2688.9 | 2665.6 | 2634.1 | 2589.0 | 2535.2 | 2486.8 |
| 66° | 2793.1 | 2760.6 | 2741.7 | 2720.9 | 2692.3 | 2662.7 | 2635.1 | 2592.0 | 2539.1 | 2475.2 | 2411.2 |
| 67.5° | 2762.6 | 2718.0 | 2673.9 | 2643.3 | 2603.6 | 2550.3 | 2501.8 | 2451.4 | 2401.5 | 2313.8 | 2254.1 |
| 70° | 2483.9 | 2430.6 | 2382.1 | 2315.2 | 2252.2 | 2199.9 | 2116.5 | 2028.8 | 1956.6 | 1864.5 | 1805.8 |
| 72.5° | 1844.6 | 1781.6 | 1718.6 | 1624.6 | 1533.0 | 1519.4 | 1414.7 | 1311.5 | 1256.2 | 1182.1 | 1122.5 |
| 75° | 911.2 | 831.7 | 718.7 | 668.3 | 595.2 | 559.3 | 539.4 | 464.8 | 446.9 | 373.7 | 372.7 |
| 77.5° | 257.4 | 221.0 | 196.3 | 171.1 | 160.4 | 152.7 | 126.0 | 120.7 | 109.5 | 107.6 | 101.3 |
| 80° | 97.4 | 92.1 | 89.7 | 87.2 | 84.8 | 83.4 | 82.4 | 78.5 | 76.6 | 73.7 | 72.2 |
| 82.5° | 70.3 | 68.3 | 64.0 | 62.5 | 60.6 | 57.7 | 57.2 | 54.8 | 53.3 | 50.4 | 49.4 |
| 85° | 47.5 | 45.1 | 42.6 | 40.2 | 39.3 | 38.8 | 37.3 | 36.3 | 35.4 | 33.9 | 33.4 |
| 87.5° | 32.0 | 29.6 | 26.7 | 25.7 | 25.2 | 25.7 | 26.2 | 25.2 | 24.7 | 23.7 | 23.3 |
| 90° | 3.9 | 5.3 | 4.8 | 4.8 | 5.8 | 4.8 | 4.8 | 5.3 | 4.8 | 4.8 | 4.4 |
| 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: P226978
 CATALOG NUMBER: IST-AF-600-LED-E1-SL3-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 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 | 66° |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° |
| | | | | | | | | | | | | 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: P226978
 NUMBER: IST-AF-600-LED-E1-SL3-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 110° | 82° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-----|
| 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 110° | 0.0 |
| 861.7 | 860.3 | 860.8 | 858.8 | 858.3 | 859.3 | 859.8 | 859.8 | 858.3 | 849.6 | 839.4 | 112.5° | 0.0 |
| 849.1 | 846.2 | 845.7 | 844.3 | 841.9 | 844.8 | 843.3 | 840.9 | 838.0 | 827.8 | 807.9 | 115° | 0.0 |
| 825.9 | 823.9 | 821.5 | 819.6 | 818.1 | 817.1 | 816.6 | 814.2 | 808.9 | 790.0 | 756.6 | 117.5° | 0.0 |
| 803.6 | 801.1 | 798.2 | 793.9 | 791.9 | 789.0 | 789.0 | 783.2 | 779.3 | 755.6 | 706.1 | 120° | 0.0 |
| 781.8 | 777.4 | 775.9 | 773.0 | 767.7 | 765.3 | 761.9 | 756.1 | 750.3 | 721.7 | 656.7 | 122.5° | 0.0 |
| 765.3 | 760.9 | 754.6 | 752.7 | 746.9 | 741.5 | 737.2 | 729.4 | 723.1 | 685.3 | 604.9 | 125° | 0.0 |
| 747.3 | 744.0 | 737.2 | 732.8 | 726.5 | 720.2 | 712.9 | 703.2 | 698.9 | 650.9 | 555.4 | 127.5° | 0.0 |
| 732.8 | 725.0 | 717.3 | 713.4 | 705.7 | 698.4 | 691.1 | 679.5 | 670.8 | 617.0 | 503.1 | 130° | 0.0 |
| 715.8 | 709.1 | 700.8 | 694.0 | 683.4 | 675.1 | 666.9 | 654.8 | 644.1 | 582.6 | 450.2 | 132.5° | 0.0 |
| 704.2 | 694.5 | 685.8 | 678.0 | 665.9 | 656.2 | 644.6 | 631.5 | 620.8 | 549.6 | 392.1 | 135° | 0.0 |
| 697.4 | 687.7 | 676.6 | 666.9 | 652.8 | 641.7 | 629.1 | 614.5 | 601.0 | 522.9 | 337.3 | 137.5° | 0.0 |
| 695.5 | 683.9 | 672.2 | 660.1 | 645.6 | 631.5 | 616.5 | 601.9 | 584.5 | 497.3 | 277.7 | 140° | 0.0 |
| 701.3 | 687.2 | 674.2 | 659.6 | 642.7 | 626.7 | 611.6 | 592.7 | 575.3 | 475.0 | 219.1 | 142.5° | 0.0 |
| 717.3 | 700.3 | 685.3 | 669.3 | 649.9 | 632.5 | 614.5 | 593.2 | 573.8 | 459.5 | 167.7 | 145° | 0.0 |
| 742.5 | 726.5 | 709.1 | 693.1 | 670.8 | 651.4 | 631.5 | 608.7 | 585.5 | 453.2 | 126.5 | 147.5° | 0.0 |
| 793.4 | 772.1 | 754.1 | 737.2 | 711.5 | 691.6 | 668.8 | 641.2 | 615.0 | 459.0 | 105.7 | 150° | 0.0 |
| 864.6 | 838.0 | 821.5 | 806.5 | 774.5 | 752.7 | 726.5 | 695.0 | 665.4 | 475.4 | 93.1 | 152.5° | 0.0 |
| 963.0 | 942.7 | 913.1 | 889.8 | 857.4 | 833.1 | 804.0 | 766.2 | 733.3 | 498.7 | 86.8 | 155° | 0.0 |
| 1086.1 | 1059.5 | 1030.4 | 1006.6 | 971.3 | 929.1 | 898.6 | 853.0 | 815.7 | 535.1 | 83.8 | 157.5° | 0.0 |
| 1236.8 | 1204.9 | 1165.6 | 1145.7 | 1096.8 | 1063.8 | 1023.1 | 974.2 | 926.7 | 591.3 | 85.3 | 160° | 0.0 |
| 1400.7 | 1366.3 | 1335.7 | 1297.9 | 1253.3 | 1216.5 | 1177.7 | 1125.9 | 1066.2 | 697.9 | 91.1 | 162.5° | 0.0 |
| 1573.7 | 1551.4 | 1522.3 | 1473.4 | 1449.1 | 1402.6 | 1353.2 | 1296.0 | 1252.8 | 836.5 | 105.2 | 165° | 0.0 |
| 1825.7 | 1801.5 | 1798.1 | 1750.1 | 1713.3 | 1671.1 | 1632.3 | 1584.8 | 1533.9 | 1082.7 | 138.1 | 167.5° | 0.0 |
| 2213.4 | 2188.2 | 2159.6 | 2122.3 | 2078.7 | 2026.4 | 1978.4 | 1914.4 | 1857.7 | 1329.4 | 153.6 | 170° | 0.0 |
| 2443.2 | 2396.6 | 2345.3 | 2288.6 | 2225.1 | 2160.1 | 2095.7 | 2013.8 | 1931.4 | 1344.4 | 138.6 | 172.5° | 0.0 |
| 2423.8 | 2366.1 | 2300.7 | 2223.6 | 2156.7 | 2076.8 | 2007.5 | 1901.8 | 1826.7 | 1197.1 | 112.9 | 175° | 0.0 |
| 2352.0 | 2273.0 | 2211.5 | 2140.7 | 2056.9 | 1985.2 | 1912.0 | 1807.8 | 1722.0 | 1097.8 | 103.2 | 177.5° | 0.0 |
| 2168.4 | 2101.0 | 2015.7 | 1947.8 | 1885.8 | 1800.0 | 1731.2 | 1633.8 | 1574.7 | 951.9 | 92.6 | 180° | 0.0 |
| 1733.1 | 1640.1 | 1567.9 | 1515.0 | 1444.8 | 1367.2 | 1306.2 | 1224.2 | 1171.9 | 630.1 | 80.0 | | |
| 1009.5 | 986.3 | 905.3 | 859.8 | 817.1 | 754.1 | 705.7 | 666.4 | 597.6 | 305.3 | 70.8 | | |
| 311.2 | 289.3 | 286.4 | 243.3 | 257.4 | 220.0 | 214.2 | 194.8 | 194.8 | 117.3 | 55.7 | | |
| 99.4 | 97.4 | 93.5 | 88.2 | 86.3 | 86.3 | 83.8 | 83.4 | 79.5 | 63.0 | 41.7 | | |
| 70.3 | 68.8 | 67.4 | 65.9 | 64.9 | 65.4 | 63.5 | 62.5 | 61.6 | 45.6 | 33.0 | | |
| 48.5 | 47.0 | 44.1 | 44.1 | 43.1 | 42.6 | 43.1 | 41.2 | 40.7 | 32.0 | 27.6 | | |
| 33.0 | 32.5 | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 28.6 | 27.6 | 22.3 | 19.4 | | |
| 21.8 | 18.4 | 17.9 | 15.5 | 15.0 | 14.5 | 13.6 | 14.5 | 16.0 | 16.0 | 12.6 | | |
| 4.8 | 4.4 | 4.8 | 4.8 | 3.9 | 4.4 | 4.4 | 3.4 | 3.4 | 4.8 | 4.4 | | |
| 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 | | |
| 0.0 | 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 | | |

'226978
 IST-AF-600-LED-E1-SL3-8030

REPORT NUMBER: P226978
 CATALOG NUMBER: IST-AF-60

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 858.8 | 858.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 830.7 | 823.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 786.6 | 769.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 727.0 | 693.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 658.7 | 609.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 587.9 | 525.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 522.0 | 439.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 452.7 | 350.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 386.3 | 264.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 311.2 | 185.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 228.3 | 134.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 162.8 | 107.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 121.6 | 90.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 97.4 | 78.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 82.9 | 71.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 74.2 | 66.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 69.3 | 64.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 66.4 | 61.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 64.9 | 60.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 64.0 | 58.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 63.0 | 58.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 63.5 | 59.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 65.9 | 59.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 69.8 | 59.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 72.7 | 60.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 73.7 | 62.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 72.7 | 63.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66° | 71.7 | 63.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 70.3 | 62.0 |
| | | | | | | | | | | 70° | 66.9 | 58.2 |
| | | | | | | | | | | 72.5° | 60.1 | 52.3 |
| | | | | | | | | | | 75° | 51.4 | 42.2 |
| | | | | | | | | | | 77.5° | 41.7 | 33.9 |
| | | | | | | | | | | 80° | 31.0 | 25.7 |
| | | | | | | | | | | 82.5° | 22.8 | 19.9 |
| | | | | | | | | | | 85° | 16.0 | 14.1 |
| | | | | | | | | | | 87.5° | 9.7 | 8.7 |
| | | | | | | | | | | 90° | 2.4 | 2.4 |
| | | | | | | | | | | 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: P226978

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

0-LED-E1-SL3-8030

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 858.8 | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 |
| 817.6 | 817.1 | 805.0 | 802.6 | 794.4 | 798.7 |
| 748.3 | 740.1 | 718.3 | 713.9 | 704.7 | 702.3 |
| 665.4 | 642.7 | 625.2 | 605.8 | 587.4 | 596.6 |
| 568.5 | 530.2 | 491.9 | 466.7 | 456.5 | 453.2 |
| 476.4 | 407.6 | 359.6 | 310.2 | 292.7 | 299.0 |
| 364.9 | 286.4 | 222.5 | 193.9 | 177.4 | 174.5 |
| 257.4 | 183.7 | 154.1 | 146.9 | 143.5 | 143.5 |
| 174.5 | 140.1 | 128.9 | 125.5 | 125.5 | 126.0 |
| 132.8 | 117.8 | 112.9 | 113.4 | 115.3 | 115.8 |
| 110.0 | 104.2 | 101.8 | 105.2 | 109.0 | 109.5 |
| 95.0 | 93.5 | 94.0 | 98.4 | 102.3 | 102.7 |
| 83.4 | 84.8 | 86.8 | 90.6 | 94.0 | 95.0 |
| 75.1 | 77.5 | 79.0 | 81.4 | 83.4 | 83.8 |
| 69.3 | 72.2 | 71.7 | 73.2 | 74.6 | 75.1 |
| 65.9 | 67.4 | 65.9 | 66.9 | 66.9 | 67.9 |
| 63.0 | 63.5 | 61.1 | 61.6 | 62.5 | 62.5 |
| 60.1 | 59.6 | 57.2 | 58.2 | 59.6 | 60.1 |
| 57.2 | 56.2 | 54.3 | 56.2 | 58.6 | 59.1 |
| 54.8 | 53.8 | 52.8 | 55.3 | 58.2 | 58.6 |
| 53.8 | 52.8 | 51.9 | 55.3 | 58.2 | 58.6 |
| 53.8 | 52.8 | 51.9 | 54.3 | 57.2 | 57.7 |
| 54.3 | 53.3 | 51.4 | 53.8 | 55.7 | 56.2 |
| 54.8 | 53.8 | 50.4 | 51.9 | 52.8 | 53.3 |
| 54.8 | 52.8 | 49.4 | 49.9 | 49.9 | 50.4 |
| 53.8 | 51.4 | 47.5 | 47.5 | 47.0 | 47.0 |
| 53.8 | 49.4 | 45.6 | 44.6 | 43.6 | 43.6 |
| 53.3 | 49.0 | 45.1 | 43.6 | 42.2 | 42.2 |
| 52.3 | 48.0 | 44.1 | 42.2 | 40.7 | 40.7 |
| 49.0 | 46.0 | 41.7 | 39.7 | 38.3 | 37.8 |
| 43.6 | 42.2 | 38.8 | 37.3 | 35.9 | 35.4 |
| 36.8 | 37.3 | 35.4 | 34.4 | 33.0 | 32.5 |
| 31.0 | 32.0 | 31.0 | 30.5 | 29.6 | 29.1 |
| 24.7 | 26.7 | 25.7 | 25.7 | 26.2 | 25.2 |
| 18.9 | 21.3 | 20.4 | 21.3 | 22.3 | 20.8 |
| 13.1 | 15.5 | 15.5 | 16.0 | 16.5 | 15.5 |
| 8.2 | 10.2 | 9.7 | 10.2 | 10.2 | 9.7 |
| 1.9 | 3.4 | 1.9 | 2.9 | 2.4 | 1.9 |
| 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 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|------|------|------|
| 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 |



İL3-8030

| 145° | 155° | 165° | 175° | 180° |
|------|------|------|------|------|
| 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 |
| 0.0 | 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 |

(END OF REPORT)