

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: P228674

Luminaire Tested: **ISC-AF-450-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-450-LED-E1-SLR-7030
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2212 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

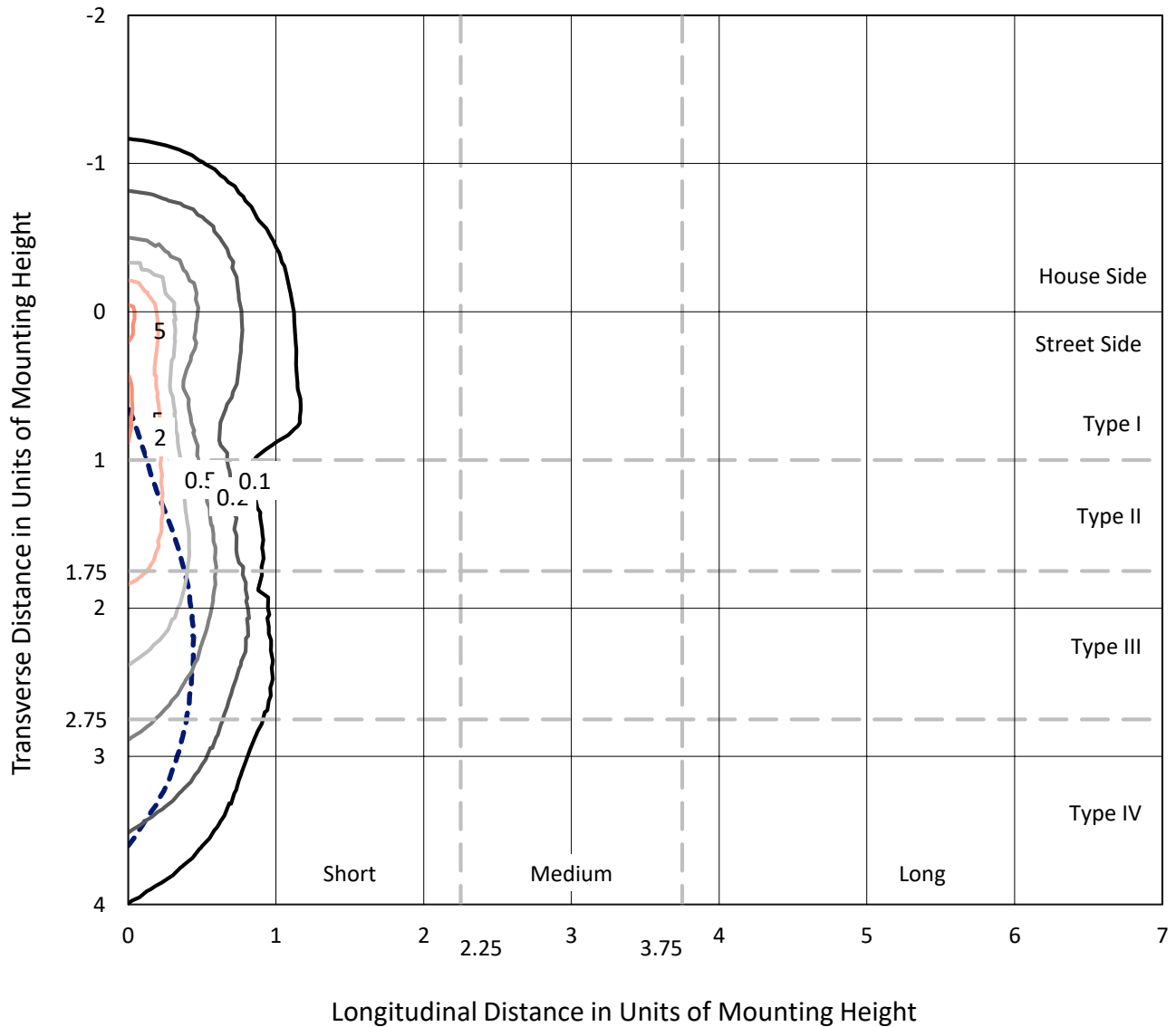
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

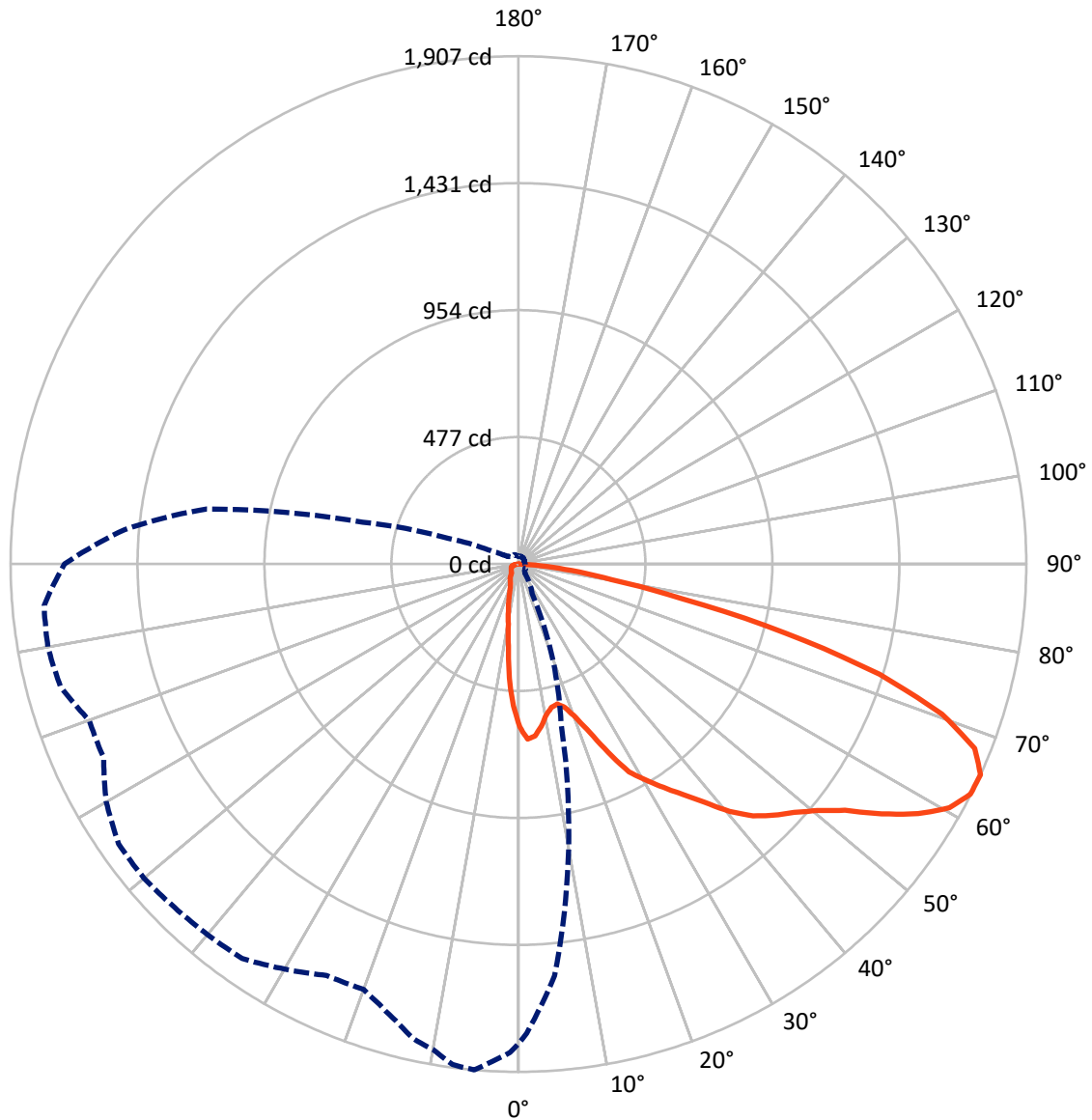
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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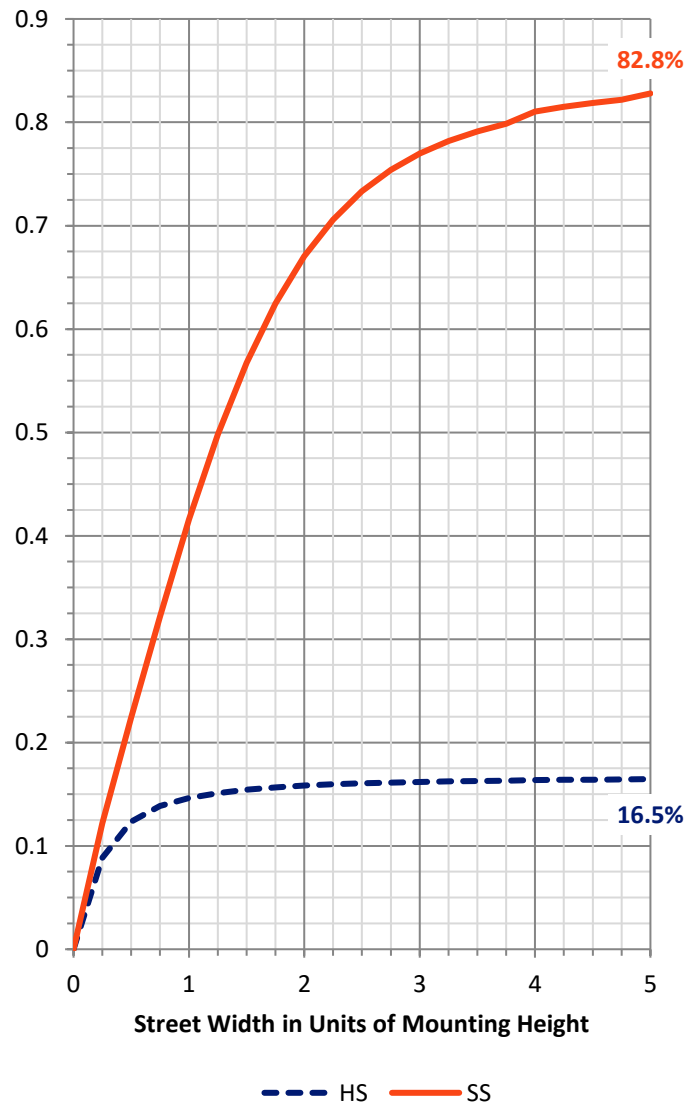
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 367.8 | 0.0 | 367.8 |
| | % Fixture | 16.6 | 0.0 | 16.6 |
| Street Side | Lumens | 1844.2 | 0.0 | 1844.2 |
| | % Fixture | 83.4 | 0.0 | 83.4 |
| Total | Lumens | 2212.0 | 0.0 | 2212.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.0 | 2.1 |
| 10°-20° | 96.9 | 4.4 |
| 20°-30° | 140.8 | 6.4 |
| 30°-40° | 208.2 | 9.4 |
| 40°-50° | 303.4 | 13.7 |
| 50°-60° | 454.8 | 20.6 |
| 60°-70° | 566.8 | 25.6 |
| 70°-80° | 332.0 | 15.0 |
| 80°-90° | 62.1 | 2.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 2212.0 | 100.0 |
| 0°-180° | 2212.0 | 100.0 |



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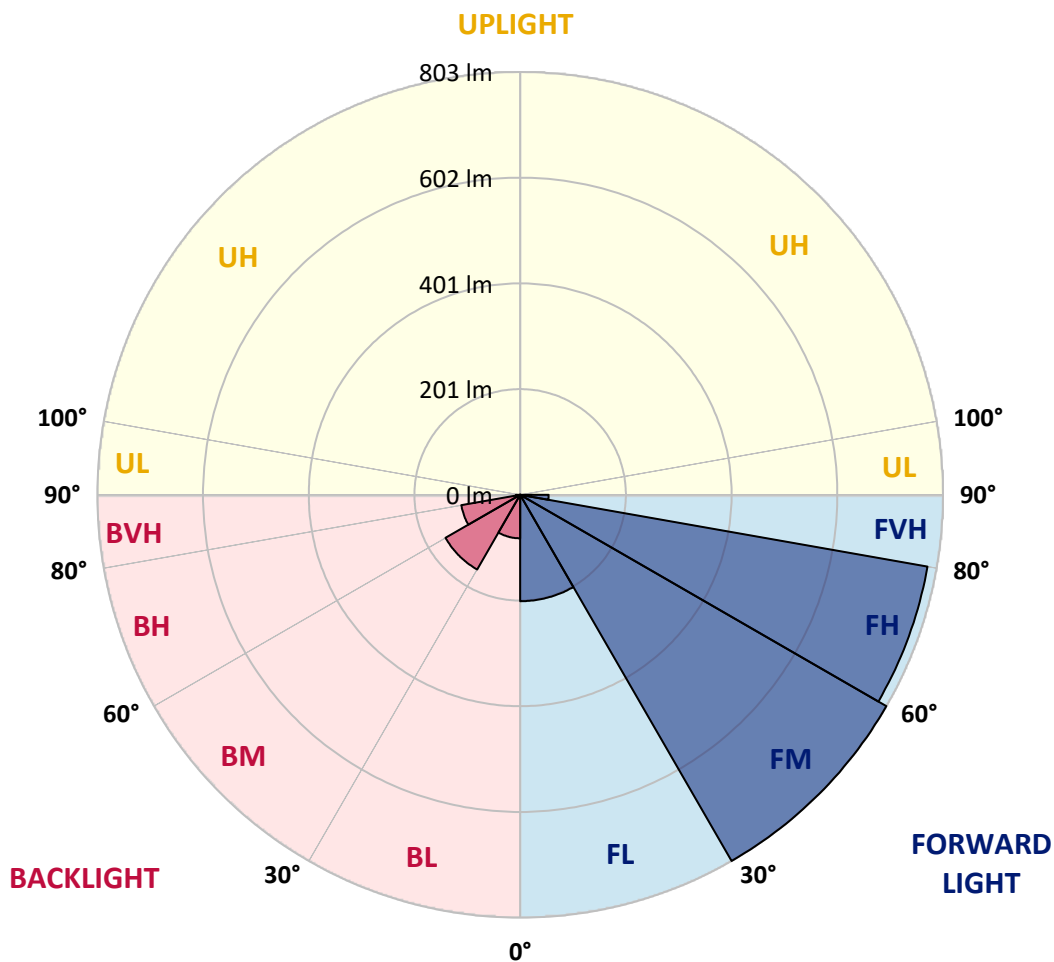
CATALOG NUMBER: ISC-AF-450-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 202.1 | 9.1 | | | |
| FM | (30°-60°) | 802.8 | 36.3 | | | |
| FH | (60°-80°) | 785.3 | 35.5 | | | G1/1800 |
| FVH | (80°-90°) | 54.1 | 2.4 | | | G1/100 |
| BL | (0°-30°) | 82.6 | 3.7 | B0/110 | | |
| BM | (30°-60°) | 163.7 | 7.4 | B0/220 | | |
| BH | (60°-80°) | 113.5 | 5.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 8.0 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 |
| 2.5° | 649.8 | 644.6 | 634.0 | 613.0 | 591.1 | 570.1 | 566.6 | 558.7 | 559.6 | 555.2 | 553.5 |
| 5° | 628.8 | 621.8 | 599.9 | 556.1 | 518.4 | 479.9 | 477.3 | 461.5 | 463.3 | 453.6 | 448.4 |
| 7.5° | 582.4 | 572.7 | 548.2 | 487.8 | 435.2 | 384.5 | 379.2 | 360.8 | 358.2 | 348.5 | 340.7 |
| 10° | 536.8 | 527.2 | 496.5 | 427.4 | 366.9 | 329.3 | 323.2 | 314.4 | 307.4 | 303.0 | 295.1 |
| 12.5° | 507.9 | 502.7 | 465.9 | 386.2 | 338.9 | 308.3 | 300.4 | 291.6 | 284.6 | 276.7 | 268.9 |
| 15° | 501.8 | 491.3 | 453.6 | 373.1 | 317.9 | 280.2 | 270.6 | 261.0 | 253.1 | 245.2 | 233.8 |
| 17.5° | 518.4 | 507.9 | 465.9 | 366.9 | 294.3 | 248.7 | 236.5 | 223.3 | 215.4 | 205.8 | 193.5 |
| 20° | 557.9 | 541.2 | 489.5 | 358.2 | 268.9 | 211.9 | 197.0 | 181.3 | 172.5 | 155.9 | 147.1 |
| 22.5° | 620.9 | 599.9 | 529.8 | 358.2 | 245.2 | 173.4 | 156.8 | 142.7 | 133.1 | 118.2 | 108.6 |
| 25° | 711.1 | 692.7 | 595.5 | 367.8 | 224.2 | 141.0 | 124.4 | 110.3 | 100.7 | 90.2 | 84.1 |
| 27.5° | 795.2 | 766.3 | 665.6 | 381.8 | 207.6 | 118.2 | 101.6 | 90.2 | 83.2 | 77.9 | 74.4 |
| 30° | 858.2 | 834.6 | 726.9 | 391.5 | 183.0 | 99.0 | 88.5 | 81.4 | 77.9 | 75.3 | 73.6 |
| 32.5° | 916.0 | 888.9 | 770.7 | 397.6 | 168.1 | 84.1 | 74.4 | 69.2 | 65.7 | 62.2 | 61.3 |
| 35° | 977.3 | 951.1 | 822.3 | 396.7 | 158.5 | 77.1 | 67.4 | 61.3 | 57.8 | 56.9 | 55.2 |
| 37.5° | 1062.3 | 1026.4 | 881.9 | 396.7 | 155.0 | 74.4 | 63.1 | 56.9 | 54.3 | 52.5 | 51.7 |
| 40° | 1144.6 | 1104.3 | 947.6 | 399.3 | 151.5 | 72.7 | 63.1 | 56.9 | 52.5 | 50.8 | 49.0 |
| 42.5° | 1221.7 | 1177.0 | 1007.1 | 403.7 | 149.8 | 67.4 | 59.6 | 56.0 | 54.3 | 50.8 | 48.2 |
| 45° | 1280.3 | 1245.3 | 1053.5 | 412.5 | 149.8 | 63.9 | 56.0 | 53.4 | 52.5 | 52.5 | 51.7 |
| 47.5° | 1337.3 | 1297.9 | 1106.9 | 429.1 | 152.4 | 61.3 | 53.4 | 49.9 | 49.9 | 49.9 | 50.8 |
| 50° | 1410.8 | 1364.4 | 1180.5 | 463.3 | 152.4 | 60.4 | 50.8 | 47.3 | 46.4 | 48.2 | 48.2 |
| 52.5° | 1510.7 | 1477.4 | 1288.2 | 512.3 | 150.6 | 59.6 | 49.9 | 44.7 | 43.8 | 44.7 | 46.4 |
| 55° | 1651.7 | 1614.0 | 1418.7 | 572.7 | 148.9 | 57.8 | 48.2 | 43.8 | 42.0 | 41.2 | 42.0 |
| 57.5° | 1773.4 | 1741.0 | 1538.7 | 620.9 | 144.5 | 53.4 | 46.4 | 42.9 | 40.3 | 39.4 | 38.5 |
| 60° | 1826.8 | 1799.7 | 1615.8 | 653.3 | 136.6 | 49.0 | 43.8 | 41.2 | 38.5 | 37.7 | 36.8 |
| 62.5° | 1835.6 | 1801.4 | 1616.6 | 660.3 | 127.9 | 44.7 | 41.2 | 38.5 | 36.8 | 35.9 | 35.0 |
| 65° | 1801.4 | 1762.9 | 1552.7 | 617.4 | 120.9 | 44.7 | 39.4 | 36.8 | 34.2 | 33.3 | 32.4 |
| 67.5° | 1724.3 | 1664.8 | 1390.7 | 523.7 | 114.7 | 45.5 | 38.5 | 34.2 | 32.4 | 31.5 | 30.7 |
| 70° | 1538.7 | 1472.1 | 1174.4 | 416.0 | 112.1 | 46.4 | 38.5 | 32.4 | 29.8 | 28.9 | 28.9 |
| 72.5° | 1233.1 | 1156.9 | 916.0 | 313.5 | 107.7 | 47.3 | 37.7 | 30.7 | 28.0 | 26.3 | 26.3 |
| 75° | 834.6 | 768.0 | 620.9 | 211.9 | 89.3 | 41.2 | 34.2 | 28.0 | 24.5 | 22.8 | 21.9 |
| 77.5° | 465.0 | 443.1 | 395.0 | 112.1 | 56.9 | 30.7 | 26.3 | 22.8 | 20.1 | 19.3 | 18.4 |
| 80° | 273.2 | 261.8 | 232.9 | 62.2 | 35.0 | 17.5 | 15.8 | 14.9 | 13.1 | 13.1 | 13.1 |
| 82.5° | 167.3 | 155.9 | 144.5 | 28.0 | 16.6 | 8.8 | 8.8 | 7.0 | 7.0 | 6.1 | 6.1 |
| 85° | 45.5 | 42.0 | 58.7 | 6.1 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISC-AF-450-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 |
| 2.5° | 546.5 | 544.7 | 544.7 | 531.6 | 531.6 | 524.6 | 522.8 | 522.8 | 525.4 | 523.7 | 513.2 |
| 5° | 439.6 | 434.4 | 430.9 | 415.1 | 410.7 | 402.8 | 399.3 | 398.5 | 401.1 | 396.7 | 382.7 |
| 7.5° | 331.0 | 326.7 | 321.4 | 309.1 | 303.9 | 303.0 | 292.5 | 289.9 | 288.1 | 284.6 | 275.9 |
| 10° | 289.0 | 282.9 | 278.5 | 269.7 | 263.6 | 259.2 | 250.5 | 246.1 | 242.6 | 237.3 | 234.7 |
| 12.5° | 260.1 | 254.0 | 247.8 | 236.5 | 228.6 | 223.3 | 218.1 | 209.3 | 205.8 | 199.7 | 196.2 |
| 15° | 224.2 | 217.2 | 210.2 | 197.9 | 187.4 | 182.2 | 171.6 | 166.4 | 162.9 | 155.9 | 152.4 |
| 17.5° | 180.4 | 170.8 | 162.9 | 151.5 | 146.2 | 137.5 | 131.4 | 122.6 | 115.6 | 113.0 | 110.3 |
| 20° | 135.7 | 127.0 | 120.0 | 110.3 | 105.1 | 98.1 | 94.6 | 88.5 | 84.9 | 83.2 | 81.4 |
| 22.5° | 99.8 | 92.8 | 88.5 | 83.2 | 80.6 | 77.9 | 76.2 | 74.4 | 72.7 | 71.8 | 71.8 |
| 25° | 78.8 | 76.2 | 74.4 | 72.7 | 71.8 | 70.9 | 69.2 | 68.3 | 67.4 | 66.6 | 66.6 |
| 27.5° | 71.8 | 70.1 | 69.2 | 68.3 | 67.4 | 65.7 | 65.7 | 63.9 | 63.1 | 63.1 | 62.2 |
| 30° | 72.7 | 72.7 | 72.7 | 70.9 | 70.1 | 68.3 | 67.4 | 64.8 | 63.1 | 61.3 | 60.4 |
| 32.5° | 59.6 | 59.6 | 58.7 | 56.9 | 56.0 | 55.2 | 55.2 | 53.4 | 52.5 | 52.5 | 54.3 |
| 35° | 54.3 | 53.4 | 52.5 | 50.8 | 49.9 | 48.2 | 47.3 | 46.4 | 45.5 | 44.7 | 44.7 |
| 37.5° | 51.7 | 50.8 | 49.9 | 48.2 | 47.3 | 46.4 | 45.5 | 43.8 | 42.9 | 42.9 | 42.0 |
| 40° | 49.0 | 49.0 | 49.0 | 47.3 | 46.4 | 44.7 | 43.8 | 42.9 | 42.0 | 41.2 | 41.2 |
| 42.5° | 47.3 | 47.3 | 47.3 | 46.4 | 45.5 | 44.7 | 42.9 | 42.0 | 41.2 | 40.3 | 39.4 |
| 45° | 48.2 | 47.3 | 47.3 | 46.4 | 45.5 | 43.8 | 42.9 | 41.2 | 40.3 | 39.4 | 38.5 |
| 47.5° | 51.7 | 50.8 | 49.0 | 47.3 | 45.5 | 43.8 | 42.0 | 40.3 | 39.4 | 38.5 | 37.7 |
| 50° | 49.0 | 52.5 | 53.4 | 50.8 | 46.4 | 43.8 | 42.0 | 40.3 | 38.5 | 37.7 | 36.8 |
| 52.5° | 48.2 | 49.0 | 52.5 | 52.5 | 48.2 | 44.7 | 42.0 | 40.3 | 38.5 | 36.8 | 35.9 |
| 55° | 43.8 | 46.4 | 47.3 | 48.2 | 47.3 | 43.8 | 41.2 | 38.5 | 37.7 | 35.9 | 34.2 |
| 57.5° | 38.5 | 40.3 | 41.2 | 42.9 | 43.8 | 42.9 | 39.4 | 36.8 | 35.9 | 34.2 | 32.4 |
| 60° | 35.9 | 35.9 | 35.9 | 36.8 | 41.2 | 44.7 | 41.2 | 35.9 | 33.3 | 32.4 | 30.7 |
| 62.5° | 33.3 | 33.3 | 32.4 | 33.3 | 34.2 | 38.5 | 37.7 | 34.2 | 32.4 | 31.5 | 29.8 |
| 65° | 32.4 | 31.5 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 29.8 | 29.8 | 28.9 |
| 67.5° | 29.8 | 28.9 | 28.9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.1 | 27.1 | 26.3 |
| 70° | 28.0 | 27.1 | 26.3 | 26.3 | 26.3 | 25.4 | 25.4 | 25.4 | 24.5 | 24.5 | 24.5 |
| 72.5° | 25.4 | 24.5 | 24.5 | 24.5 | 23.6 | 23.6 | 23.6 | 22.8 | 22.8 | 21.9 | 21.9 |
| 75° | 21.9 | 21.9 | 21.0 | 21.0 | 21.0 | 20.1 | 20.1 | 20.1 | 20.1 | 19.3 | 19.3 |
| 77.5° | 18.4 | 17.5 | 18.4 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 16.6 | 16.6 | 15.8 |
| 80° | 12.3 | 12.3 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 12.3 |
| 82.5° | 7.0 | 6.1 | 7.0 | 7.0 | 7.0 | 7.9 | 7.9 | 8.8 | 7.9 | 7.9 | 7.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 |
| 2.5° | 518.4 | 517.6 | 508.8 | 510.6 | 507.9 | 502.7 | 503.6 | 504.4 | 506.2 | 502.7 | 500.9 |
| 5° | 389.7 | 390.6 | 379.2 | 382.7 | 380.1 | 379.2 | 381.8 | 386.2 | 388.8 | 388.0 | 385.3 |
| 7.5° | 276.7 | 277.6 | 268.0 | 267.1 | 264.5 | 263.6 | 267.1 | 271.5 | 274.1 | 273.2 | 274.1 |
| 10° | 228.6 | 225.9 | 217.2 | 211.1 | 204.9 | 199.7 | 198.8 | 198.8 | 198.8 | 197.0 | 195.3 |
| 12.5° | 189.2 | 186.5 | 176.0 | 170.8 | 165.5 | 158.5 | 157.6 | 156.8 | 154.1 | 151.5 | 148.0 |
| 15° | 147.1 | 144.5 | 135.7 | 132.2 | 127.9 | 125.2 | 124.4 | 124.4 | 122.6 | 120.9 | 119.1 |
| 17.5° | 106.8 | 105.1 | 99.8 | 96.3 | 95.5 | 96.3 | 97.2 | 99.0 | 99.8 | 100.7 | 100.7 |
| 20° | 80.6 | 79.7 | 77.9 | 77.9 | 78.8 | 81.4 | 82.3 | 84.9 | 85.8 | 87.6 | 89.3 |
| 22.5° | 70.9 | 70.9 | 70.1 | 70.1 | 71.8 | 74.4 | 76.2 | 77.1 | 77.9 | 78.8 | 78.8 |
| 25° | 65.7 | 65.7 | 64.8 | 66.6 | 69.2 | 69.2 | 69.2 | 69.2 | 67.4 | 66.6 | 66.6 |
| 27.5° | 62.2 | 62.2 | 62.2 | 63.1 | 62.2 | 61.3 | 61.3 | 61.3 | 60.4 | 60.4 | 59.6 |
| 30° | 59.6 | 59.6 | 59.6 | 58.7 | 58.7 | 57.8 | 57.8 | 56.9 | 56.9 | 56.0 | 56.0 |
| 32.5° | 55.2 | 53.4 | 55.2 | 53.4 | 53.4 | 52.5 | 53.4 | 53.4 | 51.7 | 51.7 | 51.7 |
| 35° | 43.8 | 42.9 | 42.9 | 42.9 | 42.0 | 42.9 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| 37.5° | 41.2 | 41.2 | 40.3 | 39.4 | 39.4 | 38.5 | 39.4 | 38.5 | 38.5 | 38.5 | 39.4 |
| 40° | 40.3 | 39.4 | 38.5 | 38.5 | 37.7 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| 42.5° | 38.5 | 38.5 | 36.8 | 35.9 | 35.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 45° | 37.7 | 36.8 | 35.9 | 35.0 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 33.3 |
| 47.5° | 36.8 | 35.9 | 35.0 | 34.2 | 33.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 50° | 35.9 | 35.0 | 33.3 | 33.3 | 32.4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 52.5° | 34.2 | 34.2 | 32.4 | 31.5 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| 55° | 32.4 | 32.4 | 30.7 | 29.8 | 28.9 | 28.9 | 28.9 | 28.9 | 29.8 | 29.8 | 29.8 |
| 57.5° | 31.5 | 30.7 | 28.9 | 28.9 | 27.1 | 27.1 | 27.1 | 28.0 | 28.0 | 28.9 | 28.9 |
| 60° | 29.8 | 28.9 | 28.0 | 27.1 | 27.1 | 26.3 | 26.3 | 26.3 | 26.3 | 27.1 | 27.1 |
| 62.5° | 28.9 | 28.0 | 26.3 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 65° | 27.1 | 27.1 | 25.4 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 67.5° | 25.4 | 25.4 | 23.6 | 22.8 | 22.8 | 22.8 | 23.6 | 22.8 | 22.8 | 22.8 | 22.8 |
| 70° | 23.6 | 22.8 | 21.9 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 72.5° | 21.0 | 21.0 | 20.1 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 20.1 |
| 75° | 18.4 | 17.5 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 |
| 77.5° | 15.8 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 |
| 80° | 11.4 | 10.5 | 10.5 | 10.5 | 10.5 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 82.5° | 7.0 | 6.1 | 6.1 | 6.1 | 7.0 | 7.9 | 7.9 | 7.9 | 7.9 | 8.8 | 8.8 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 3.5 | 4.4 | 4.4 | 4.4 | 5.3 | 4.4 | 4.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISC-AF-450-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

| | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° |
|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 |
| 2.5° | 499.2 | 509.7 | 509.7 | 502.7 | 506.2 | 502.7 | 501.8 | 507.9 | 511.4 | 522.8 | 529.8 |
| 5° | 386.2 | 399.3 | 400.2 | 396.7 | 401.1 | 398.5 | 401.1 | 409.0 | 415.1 | 423.0 | 430.0 |
| 7.5° | 275.9 | 288.1 | 290.7 | 288.1 | 296.0 | 295.1 | 296.9 | 305.6 | 310.9 | 315.3 | 316.1 |
| 10° | 194.4 | 196.2 | 203.2 | 201.4 | 206.7 | 205.8 | 208.4 | 215.4 | 222.4 | 225.1 | 226.8 |
| 12.5° | 146.2 | 144.5 | 147.1 | 143.6 | 146.2 | 146.2 | 147.1 | 151.5 | 160.3 | 163.8 | 172.5 |
| 15° | 118.2 | 116.5 | 116.5 | 114.7 | 114.7 | 113.8 | 114.7 | 118.2 | 124.4 | 129.6 | 136.6 |
| 17.5° | 100.7 | 100.7 | 100.7 | 99.8 | 99.0 | 99.0 | 99.8 | 101.6 | 105.1 | 108.6 | 112.1 |
| 20° | 90.2 | 92.0 | 92.8 | 93.7 | 94.6 | 95.5 | 96.3 | 99.0 | 98.1 | 94.6 | 90.2 |
| 22.5° | 78.8 | 78.8 | 79.7 | 79.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 81.4 | 84.1 |
| 25° | 65.7 | 65.7 | 65.7 | 66.6 | 65.7 | 65.7 | 66.6 | 66.6 | 67.4 | 69.2 | 71.8 |
| 27.5° | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 60.4 | 61.3 | 63.9 | 65.7 |
| 30° | 55.2 | 55.2 | 54.3 | 54.3 | 54.3 | 53.4 | 54.3 | 54.3 | 55.2 | 58.7 | 61.3 |
| 32.5° | 50.8 | 49.9 | 49.9 | 49.9 | 49.0 | 49.0 | 49.0 | 50.8 | 51.7 | 53.4 | 56.0 |
| 35° | 44.7 | 44.7 | 44.7 | 45.5 | 45.5 | 45.5 | 45.5 | 47.3 | 47.3 | 48.2 | 48.2 |
| 37.5° | 40.3 | 40.3 | 41.2 | 42.0 | 42.0 | 42.9 | 42.9 | 43.8 | 44.7 | 43.8 | 42.9 |
| 40° | 36.8 | 37.7 | 37.7 | 39.4 | 39.4 | 39.4 | 40.3 | 41.2 | 42.0 | 40.3 | 40.3 |
| 42.5° | 35.0 | 35.0 | 35.0 | 35.9 | 35.9 | 35.9 | 36.8 | 37.7 | 38.5 | 38.5 | 38.5 |
| 45° | 33.3 | 33.3 | 33.3 | 34.2 | 33.3 | 33.3 | 33.3 | 34.2 | 35.9 | 35.9 | 36.8 |
| 47.5° | 32.4 | 32.4 | 32.4 | 31.5 | 31.5 | 31.5 | 31.5 | 32.4 | 33.3 | 35.0 | 35.9 |
| 50° | 31.5 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 31.5 | 32.4 | 33.3 | 35.0 |
| 52.5° | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 30.7 | 31.5 | 32.4 | 33.3 |
| 55° | 29.8 | 29.8 | 28.9 | 28.9 | 29.8 | 29.8 | 29.8 | 30.7 | 31.5 | 32.4 | 32.4 |
| 57.5° | 28.9 | 28.0 | 28.0 | 28.9 | 28.9 | 28.9 | 28.9 | 29.8 | 30.7 | 31.5 | 31.5 |
| 60° | 27.1 | 27.1 | 27.1 | 27.1 | 28.0 | 28.0 | 28.9 | 29.8 | 29.8 | 30.7 | 30.7 |
| 62.5° | 25.4 | 26.3 | 26.3 | 26.3 | 27.1 | 27.1 | 28.0 | 28.9 | 29.8 | 30.7 | 29.8 |
| 65° | 24.5 | 25.4 | 25.4 | 25.4 | 26.3 | 26.3 | 26.3 | 28.0 | 28.9 | 28.9 | 29.8 |
| 67.5° | 23.6 | 23.6 | 23.6 | 24.5 | 24.5 | 25.4 | 25.4 | 27.1 | 27.1 | 28.0 | 28.9 |
| 70° | 21.9 | 21.9 | 21.9 | 22.8 | 22.8 | 23.6 | 24.5 | 25.4 | 25.4 | 26.3 | 27.1 |
| 72.5° | 20.1 | 20.1 | 20.1 | 21.0 | 21.0 | 21.9 | 22.8 | 24.5 | 23.6 | 24.5 | 24.5 |
| 75° | 17.5 | 17.5 | 18.4 | 18.4 | 19.3 | 20.1 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 77.5° | 14.9 | 14.9 | 15.8 | 15.8 | 16.6 | 17.5 | 17.5 | 17.5 | 18.4 | 17.5 | 17.5 |
| 80° | 12.3 | 12.3 | 13.1 | 13.1 | 13.1 | 13.1 | 14.0 | 13.1 | 14.0 | 13.1 | 14.0 |
| 82.5° | 8.8 | 8.8 | 9.6 | 8.8 | 9.6 | 8.8 | 8.8 | 7.9 | 9.6 | 8.8 | 8.8 |
| 85° | 3.5 | 4.4 | 4.4 | 4.4 | 4.4 | 3.5 | 3.5 | 2.6 | 3.5 | 3.5 | 2.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P228674

CATALOG NUMBER: ISC-AF-450-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

| | 175° | 180° | 185° | 195° | 205° | 215° | 225° | 230° | 235° | 240° | 245° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 |
| 2.5° | 532.5 | 531.6 | 544.7 | 554.3 | 560.5 | 584.1 | 594.6 | 607.8 | 613.9 | 622.7 | 631.4 |
| 5° | 430.9 | 429.1 | 444.9 | 457.1 | 467.6 | 501.8 | 521.9 | 540.3 | 555.2 | 569.2 | 589.4 |
| 7.5° | 308.3 | 304.8 | 315.3 | 325.8 | 339.8 | 376.6 | 411.6 | 436.1 | 458.0 | 481.7 | 507.9 |
| 10° | 227.7 | 230.3 | 240.8 | 256.6 | 275.0 | 303.0 | 331.0 | 348.5 | 367.8 | 394.1 | 425.6 |
| 12.5° | 182.2 | 192.7 | 201.4 | 220.7 | 242.6 | 274.1 | 303.9 | 317.9 | 331.9 | 345.0 | 361.7 |
| 15° | 146.2 | 152.4 | 159.4 | 177.8 | 204.0 | 240.8 | 275.9 | 291.6 | 308.3 | 324.0 | 338.9 |
| 17.5° | 113.0 | 115.6 | 119.1 | 132.2 | 155.9 | 199.7 | 238.2 | 258.3 | 277.6 | 299.5 | 319.6 |
| 20° | 90.2 | 90.2 | 91.1 | 97.2 | 113.8 | 148.0 | 195.3 | 220.7 | 245.2 | 273.2 | 302.1 |
| 22.5° | 78.8 | 77.9 | 78.8 | 81.4 | 89.3 | 109.5 | 152.4 | 182.2 | 213.7 | 248.7 | 284.6 |
| 25° | 74.4 | 73.6 | 72.7 | 74.4 | 78.8 | 88.5 | 119.1 | 150.6 | 183.0 | 225.1 | 268.9 |
| 27.5° | 67.4 | 68.3 | 69.2 | 70.9 | 74.4 | 79.7 | 99.0 | 122.6 | 158.5 | 204.9 | 257.5 |
| 30° | 63.1 | 63.9 | 64.8 | 66.6 | 72.7 | 78.8 | 90.2 | 105.1 | 135.7 | 181.3 | 240.0 |
| 32.5° | 57.8 | 58.7 | 59.6 | 60.4 | 62.2 | 69.2 | 77.1 | 89.3 | 115.6 | 160.3 | 221.6 |
| 35° | 47.3 | 47.3 | 48.2 | 50.8 | 54.3 | 61.3 | 69.2 | 78.8 | 103.3 | 146.2 | 210.2 |
| 37.5° | 43.8 | 43.8 | 44.7 | 47.3 | 50.8 | 56.9 | 63.9 | 72.7 | 98.1 | 141.0 | 199.7 |
| 40° | 41.2 | 42.0 | 42.0 | 44.7 | 48.2 | 55.2 | 59.6 | 70.1 | 95.5 | 133.1 | 189.2 |
| 42.5° | 39.4 | 39.4 | 40.3 | 42.9 | 47.3 | 52.5 | 58.7 | 68.3 | 88.5 | 126.1 | 183.0 |
| 45° | 37.7 | 38.5 | 38.5 | 41.2 | 46.4 | 50.8 | 59.6 | 64.8 | 84.1 | 120.9 | 177.8 |
| 47.5° | 36.8 | 36.8 | 37.7 | 40.3 | 45.5 | 51.7 | 57.8 | 61.3 | 79.7 | 116.5 | 173.4 |
| 50° | 35.0 | 35.9 | 36.8 | 39.4 | 44.7 | 56.9 | 55.2 | 58.7 | 76.2 | 113.0 | 170.8 |
| 52.5° | 34.2 | 35.0 | 35.9 | 38.5 | 44.7 | 57.8 | 53.4 | 55.2 | 73.6 | 109.5 | 169.0 |
| 55° | 33.3 | 33.3 | 34.2 | 37.7 | 44.7 | 53.4 | 49.9 | 53.4 | 68.3 | 104.2 | 164.6 |
| 57.5° | 31.5 | 32.4 | 33.3 | 35.9 | 43.8 | 49.0 | 47.3 | 50.8 | 63.1 | 95.5 | 158.5 |
| 60° | 31.5 | 31.5 | 32.4 | 35.0 | 43.8 | 43.8 | 44.7 | 48.2 | 56.9 | 84.9 | 148.0 |
| 62.5° | 30.7 | 30.7 | 31.5 | 35.0 | 44.7 | 39.4 | 42.0 | 45.5 | 52.5 | 76.2 | 134.9 |
| 65° | 29.8 | 29.8 | 30.7 | 33.3 | 38.5 | 37.7 | 40.3 | 42.9 | 50.8 | 70.1 | 123.5 |
| 67.5° | 28.0 | 28.0 | 28.9 | 31.5 | 34.2 | 35.0 | 38.5 | 41.2 | 49.9 | 69.2 | 113.0 |
| 70° | 26.3 | 26.3 | 26.3 | 28.9 | 30.7 | 33.3 | 35.9 | 39.4 | 49.9 | 68.3 | 105.1 |
| 72.5° | 24.5 | 23.6 | 24.5 | 26.3 | 28.0 | 29.8 | 32.4 | 36.8 | 49.0 | 69.2 | 101.6 |
| 75° | 21.0 | 21.0 | 21.0 | 22.8 | 24.5 | 26.3 | 28.9 | 34.2 | 46.4 | 64.8 | 91.1 |
| 77.5° | 17.5 | 17.5 | 16.6 | 19.3 | 21.0 | 21.9 | 24.5 | 29.8 | 40.3 | 55.2 | 73.6 |
| 80° | 13.1 | 12.3 | 12.3 | 14.9 | 15.8 | 17.5 | 19.3 | 22.8 | 31.5 | 40.3 | 54.3 |
| 82.5° | 7.9 | 7.0 | 7.0 | 9.6 | 10.5 | 11.4 | 14.9 | 16.6 | 21.0 | 26.3 | 36.8 |
| 85° | 2.6 | 2.6 | 2.6 | 4.4 | 5.3 | 6.1 | 8.8 | 9.6 | 13.1 | 16.6 | 19.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.6 | 4.4 | 5.3 | 4.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: ISC-AF-450-LED-E1-SLR-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 250° | 255° | 260° | 265° | 270° | 275° | 280° | 285° | 290° | 295° | 300° | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 0° |
| 2.5° | 641.9 | 650.7 | 662.1 | 672.6 | 680.5 | 687.5 | 696.2 | 696.2 | 706.7 | 710.2 | 717.2 | 2.5° |
| 5° | 605.1 | 621.8 | 646.3 | 666.4 | 691.0 | 714.6 | 736.5 | 748.8 | 769.8 | 783.8 | 797.8 | 5° |
| 7.5° | 530.7 | 553.5 | 584.1 | 612.1 | 648.1 | 686.6 | 722.5 | 755.8 | 790.8 | 820.6 | 842.5 | 7.5° |
| 10° | 452.8 | 484.3 | 516.7 | 552.6 | 591.1 | 632.3 | 676.1 | 720.7 | 762.8 | 804.8 | 840.7 | 10° |
| 12.5° | 388.8 | 424.7 | 461.5 | 506.2 | 550.8 | 594.6 | 646.3 | 684.8 | 728.6 | 770.7 | 805.7 | 12.5° |
| 15° | 361.7 | 393.2 | 436.1 | 485.2 | 532.5 | 577.1 | 625.3 | 664.7 | 705.9 | 740.0 | 764.5 | 15° |
| 17.5° | 350.3 | 390.6 | 439.6 | 491.3 | 542.1 | 596.4 | 639.3 | 672.6 | 703.2 | 719.0 | 722.5 | 17.5° |
| 20° | 338.0 | 393.2 | 458.9 | 521.9 | 584.1 | 641.0 | 672.6 | 694.5 | 699.7 | 698.8 | 685.7 | 20° |
| 22.5° | 331.0 | 402.0 | 483.4 | 571.9 | 649.8 | 716.4 | 738.3 | 733.9 | 712.0 | 684.0 | 662.1 | 22.5° |
| 25° | 329.3 | 422.1 | 525.4 | 642.8 | 738.3 | 804.8 | 817.1 | 792.6 | 743.5 | 689.2 | 652.4 | 25° |
| 27.5° | 331.0 | 444.9 | 578.0 | 719.0 | 831.1 | 899.4 | 895.0 | 858.2 | 788.2 | 712.0 | 653.3 | 27.5° |
| 30° | 323.2 | 468.5 | 630.5 | 785.5 | 896.8 | 953.7 | 936.2 | 881.0 | 803.1 | 726.9 | 664.7 | 30° |
| 32.5° | 310.0 | 486.0 | 677.0 | 839.0 | 965.1 | 1008.0 | 976.5 | 916.9 | 836.3 | 758.4 | 694.5 | 32.5° |
| 35° | 295.1 | 493.9 | 710.2 | 888.9 | 1038.6 | 1061.4 | 1010.6 | 950.2 | 876.6 | 797.8 | 728.6 | 35° |
| 37.5° | 279.4 | 494.8 | 741.8 | 941.4 | 1109.6 | 1119.2 | 1045.6 | 980.8 | 909.0 | 838.1 | 775.0 | 37.5° |
| 40° | 270.6 | 491.3 | 774.2 | 1006.2 | 1185.8 | 1172.6 | 1082.4 | 1006.2 | 935.3 | 881.0 | 829.3 | 40° |
| 42.5° | 267.1 | 485.2 | 797.8 | 1055.3 | 1251.4 | 1222.5 | 1116.6 | 1031.6 | 967.7 | 922.2 | 886.3 | 42.5° |
| 45° | 267.1 | 479.0 | 819.7 | 1092.1 | 1300.5 | 1262.8 | 1149.0 | 1056.2 | 999.2 | 971.2 | 953.7 | 45° |
| 47.5° | 268.0 | 481.7 | 846.0 | 1151.6 | 1342.5 | 1301.4 | 1174.4 | 1092.1 | 1043.0 | 1032.5 | 1038.6 | 47.5° |
| 50° | 272.4 | 511.4 | 890.6 | 1217.3 | 1395.1 | 1342.5 | 1208.5 | 1132.3 | 1102.6 | 1113.1 | 1148.1 | 50° |
| 52.5° | 279.4 | 558.7 | 967.7 | 1295.2 | 1476.5 | 1408.2 | 1265.5 | 1190.1 | 1176.1 | 1213.8 | 1280.3 | 52.5° |
| 55° | 286.4 | 606.9 | 1068.4 | 1425.7 | 1607.9 | 1527.3 | 1366.2 | 1290.9 | 1274.2 | 1332.0 | 1427.5 | 55° |
| 57.5° | 292.5 | 642.8 | 1166.5 | 1555.3 | 1721.7 | 1660.4 | 1499.3 | 1408.2 | 1401.2 | 1463.4 | 1567.6 | 57.5° |
| 60° | 298.6 | 670.8 | 1223.4 | 1613.1 | 1773.4 | 1767.3 | 1636.8 | 1552.7 | 1542.2 | 1600.0 | 1699.0 | 60° |
| 62.5° | 295.1 | 660.3 | 1239.2 | 1584.2 | 1769.0 | 1819.8 | 1748.9 | 1689.3 | 1653.4 | 1701.6 | 1797.9 | 62.5° |
| 65° | 282.0 | 605.1 | 1189.3 | 1484.4 | 1705.1 | 1788.3 | 1794.4 | 1780.4 | 1715.6 | 1719.1 | 1787.4 | 65° |
| 67.5° | 246.1 | 508.8 | 1036.0 | 1326.8 | 1579.8 | 1678.8 | 1782.1 | 1777.8 | 1695.4 | 1622.8 | 1636.8 | 67.5° |
| 70° | 204.0 | 399.3 | 845.1 | 1129.7 | 1402.1 | 1487.0 | 1651.7 | 1684.9 | 1567.6 | 1431.8 | 1367.9 | 70° |
| 72.5° | 171.6 | 298.6 | 649.8 | 874.9 | 1123.6 | 1222.5 | 1466.9 | 1513.3 | 1353.0 | 1162.1 | 1063.2 | 72.5° |
| 75° | 142.7 | 211.1 | 457.1 | 602.5 | 775.0 | 905.5 | 1280.3 | 1284.7 | 1098.2 | 914.3 | 807.4 | 75° |
| 77.5° | 106.0 | 143.6 | 331.0 | 421.2 | 532.5 | 644.6 | 1035.1 | 1046.5 | 871.4 | 693.6 | 601.6 | 77.5° |
| 80° | 70.9 | 88.5 | 211.1 | 294.3 | 358.2 | 431.7 | 759.3 | 711.1 | 575.4 | 480.8 | 457.1 | 80° |
| 82.5° | 42.9 | 51.7 | 121.7 | 205.8 | 225.9 | 268.9 | 477.3 | 445.8 | 379.2 | 346.8 | 355.6 | 82.5° |
| 85° | 23.6 | 32.4 | 74.4 | 134.9 | 105.1 | 147.1 | 261.0 | 254.8 | 239.1 | 209.3 | 182.2 | 85° |
| 87.5° | 6.1 | 7.0 | 16.6 | 6.1 | 2.6 | 7.9 | 50.8 | 33.3 | 33.3 | 19.3 | 7.0 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |

NUMBER: P228674
 NUMBER: ISC-AF-450-LED-E1-SLR-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 305° | 310° | 315° | 325° | 335° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 612.1 | 0° 612.1 |
| 711.1 | 713.7 | 712.9 | 706.7 | 691.0 | 684.8 | 682.2 | 675.2 | 667.3 | 667.3 | 660.3 | 2.5° 658.6 |
| 796.9 | 801.3 | 796.1 | 781.2 | 740.9 | 721.6 | 710.2 | 696.2 | 684.8 | 674.3 | 663.8 | 5° 648.9 |
| 857.4 | 860.9 | 852.1 | 817.9 | 746.1 | 713.7 | 696.2 | 679.6 | 665.6 | 647.2 | 630.5 | 7.5° 615.7 |
| 868.7 | 876.6 | 867.0 | 817.9 | 734.8 | 694.5 | 675.2 | 656.8 | 636.7 | 617.4 | 593.8 | 10° 575.4 |
| 836.3 | 853.0 | 846.0 | 810.1 | 729.5 | 686.6 | 663.8 | 641.9 | 617.4 | 597.3 | 570.1 | 12.5° 552.6 |
| 786.4 | 788.2 | 792.6 | 791.7 | 719.9 | 677.8 | 655.1 | 632.3 | 610.4 | 591.1 | 567.5 | 15° 545.6 |
| 731.2 | 729.5 | 734.8 | 751.4 | 717.2 | 684.0 | 669.1 | 647.2 | 631.4 | 609.5 | 591.1 | 17.5° 566.6 |
| 681.3 | 678.7 | 684.0 | 700.6 | 706.7 | 698.8 | 692.7 | 679.6 | 667.3 | 653.3 | 638.4 | 20° 614.8 |
| 649.8 | 641.0 | 640.2 | 664.7 | 712.0 | 733.0 | 737.4 | 735.6 | 734.8 | 724.2 | 713.7 | 22.5° 686.6 |
| 632.3 | 622.7 | 627.0 | 655.1 | 733.9 | 773.3 | 793.4 | 800.4 | 810.1 | 810.1 | 810.1 | 25° 783.8 |
| 627.0 | 616.5 | 622.7 | 654.2 | 756.6 | 822.3 | 851.2 | 868.7 | 887.1 | 895.0 | 900.3 | 27.5° 883.6 |
| 630.5 | 620.0 | 622.7 | 660.3 | 768.0 | 833.7 | 867.9 | 893.3 | 922.2 | 941.4 | 954.6 | 30° 941.4 |
| 650.7 | 632.3 | 630.5 | 678.7 | 789.0 | 859.1 | 895.0 | 923.9 | 956.3 | 978.2 | 1001.9 | 32.5° 1000.1 |
| 677.8 | 651.6 | 648.1 | 708.5 | 816.2 | 891.5 | 927.4 | 952.8 | 986.1 | 1015.9 | 1050.0 | 35° 1062.3 |
| 723.4 | 691.0 | 685.7 | 758.4 | 853.0 | 918.7 | 954.6 | 987.8 | 1023.7 | 1062.3 | 1106.1 | 37.5° 1135.0 |
| 784.7 | 752.3 | 752.3 | 822.3 | 902.9 | 956.3 | 995.7 | 1030.8 | 1070.2 | 1121.8 | 1175.3 | 40° 1221.7 |
| 853.9 | 832.8 | 836.3 | 899.4 | 959.8 | 1003.6 | 1041.3 | 1078.9 | 1120.1 | 1171.8 | 1233.9 | 42.5° 1293.5 |
| 945.8 | 934.4 | 951.9 | 996.6 | 1017.6 | 1047.4 | 1080.7 | 1114.0 | 1158.6 | 1212.0 | 1283.0 | 45° 1346.0 |
| 1053.5 | 1063.2 | 1087.7 | 1101.7 | 1076.3 | 1092.1 | 1118.3 | 1149.0 | 1201.5 | 1255.8 | 1325.9 | 47.5° 1394.2 |
| 1188.4 | 1213.8 | 1237.4 | 1233.9 | 1149.0 | 1143.7 | 1168.2 | 1191.9 | 1244.4 | 1306.6 | 1381.1 | 50° 1454.6 |
| 1343.4 | 1376.7 | 1393.3 | 1374.0 | 1230.4 | 1199.8 | 1219.9 | 1252.3 | 1310.1 | 1381.1 | 1464.3 | 52.5° 1536.1 |
| 1501.0 | 1541.3 | 1536.1 | 1514.2 | 1318.9 | 1277.7 | 1290.0 | 1328.5 | 1399.4 | 1480.0 | 1585.1 | 55° 1656.0 |
| 1643.8 | 1675.3 | 1689.3 | 1642.0 | 1426.6 | 1372.3 | 1386.3 | 1426.6 | 1501.9 | 1592.1 | 1699.8 | 57.5° 1769.9 |
| 1756.8 | 1790.9 | 1790.9 | 1744.5 | 1543.9 | 1480.9 | 1504.5 | 1543.9 | 1608.7 | 1698.1 | 1798.8 | 60° 1859.2 |
| 1839.1 | 1866.2 | 1856.6 | 1811.9 | 1644.7 | 1596.5 | 1614.9 | 1669.2 | 1727.9 | 1794.4 | 1874.1 | 62.5° 1904.8 |
| 1832.9 | 1835.6 | 1825.1 | 1808.4 | 1705.1 | 1699.8 | 1734.9 | 1776.9 | 1825.9 | 1851.3 | 1896.0 | 65° 1907.4 |
| 1660.4 | 1661.3 | 1682.3 | 1675.3 | 1659.5 | 1724.3 | 1769.9 | 1804.9 | 1847.8 | 1847.8 | 1842.6 | 67.5° 1847.8 |
| 1360.9 | 1374.9 | 1410.8 | 1400.3 | 1480.9 | 1614.0 | 1666.5 | 1720.0 | 1757.6 | 1757.6 | 1713.0 | 70° 1687.6 |
| 1036.0 | 1044.8 | 1087.7 | 1078.0 | 1187.5 | 1333.8 | 1449.4 | 1538.7 | 1575.5 | 1598.2 | 1541.3 | 72.5° 1417.8 |
| 754.0 | 753.1 | 771.5 | 757.5 | 895.9 | 1058.8 | 1177.9 | 1289.1 | 1349.5 | 1368.8 | 1265.5 | 75° 1039.5 |
| 580.6 | 564.9 | 561.4 | 563.1 | 634.9 | 769.8 | 864.4 | 935.3 | 943.2 | 945.8 | 806.6 | 77.5° 629.7 |
| 468.5 | 468.5 | 463.3 | 444.0 | 388.8 | 450.1 | 498.3 | 554.3 | 574.5 | 603.4 | 483.4 | 80° 354.7 |
| 373.9 | 359.1 | 332.8 | 295.1 | 249.6 | 266.2 | 289.0 | 310.0 | 344.2 | 356.4 | 294.3 | 82.5° 201.4 |
| 186.5 | 181.3 | 158.5 | 131.4 | 109.5 | 145.4 | 162.0 | 163.8 | 163.8 | 151.5 | 123.5 | 85° 82.3 |
| 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.5° 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° 0.0 |

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ISC-AF-450-LED-E1-SLR-7030

TION (continued):

| 359° | 360° |
|--------|--------|
| 612.1 | 612.1 |
| 648.1 | 649.8 |
| 634.0 | 628.8 |
| 590.3 | 582.4 |
| 543.0 | 536.8 |
| 515.8 | 507.9 |
| 510.6 | 501.8 |
| 529.0 | 518.4 |
| 570.1 | 557.9 |
| 635.8 | 620.9 |
| 726.0 | 711.1 |
| 814.4 | 795.2 |
| 877.5 | 858.2 |
| 938.8 | 916.0 |
| 1000.1 | 977.3 |
| 1082.4 | 1062.3 |
| 1173.5 | 1144.6 |
| 1248.8 | 1221.7 |
| 1308.4 | 1280.3 |
| 1365.3 | 1337.3 |
| 1430.1 | 1410.8 |
| 1527.3 | 1510.7 |
| 1675.3 | 1651.7 |
| 1783.9 | 1773.4 |
| 1839.9 | 1826.8 |
| 1857.5 | 1835.6 |
| 1834.7 | 1801.4 |
| 1762.9 | 1724.3 |
| 1589.5 | 1538.7 |
| 1267.2 | 1233.1 |
| 854.7 | 834.6 |
| 491.3 | 465.0 |
| 282.0 | 273.2 |
| 158.5 | 167.3 |
| 41.2 | 45.5 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |

(END OF REPORT)