

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: P227769

Luminaire Tested: **ISC-AF-XXX-LED-E1-T3-7060-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29759)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-XXX-LED-E1-T3-7060-XXB
Description: IMPACT ELITE LED CYLINDER LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 634 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B0 - U0 - G0

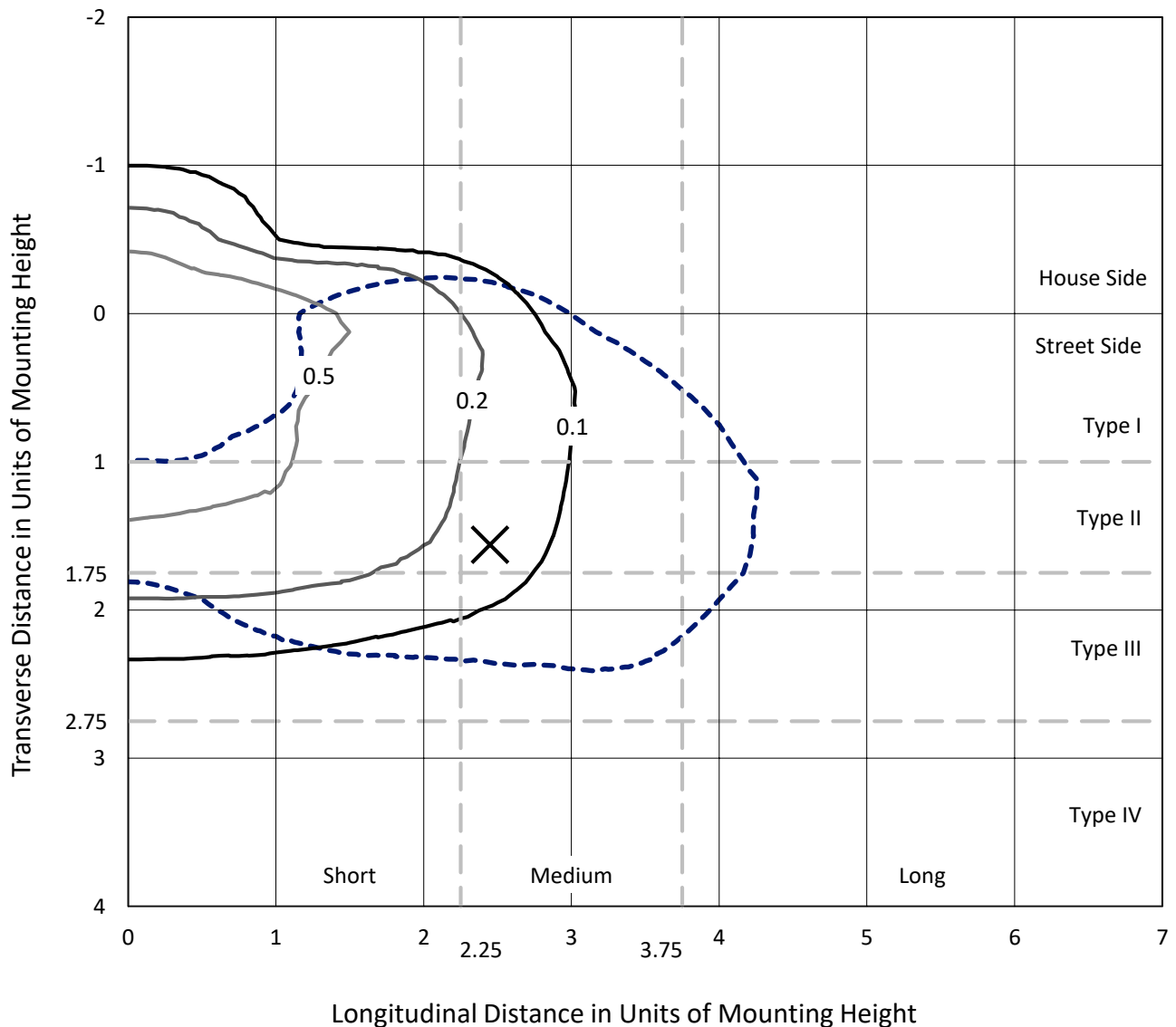
Input Watts (W): 13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

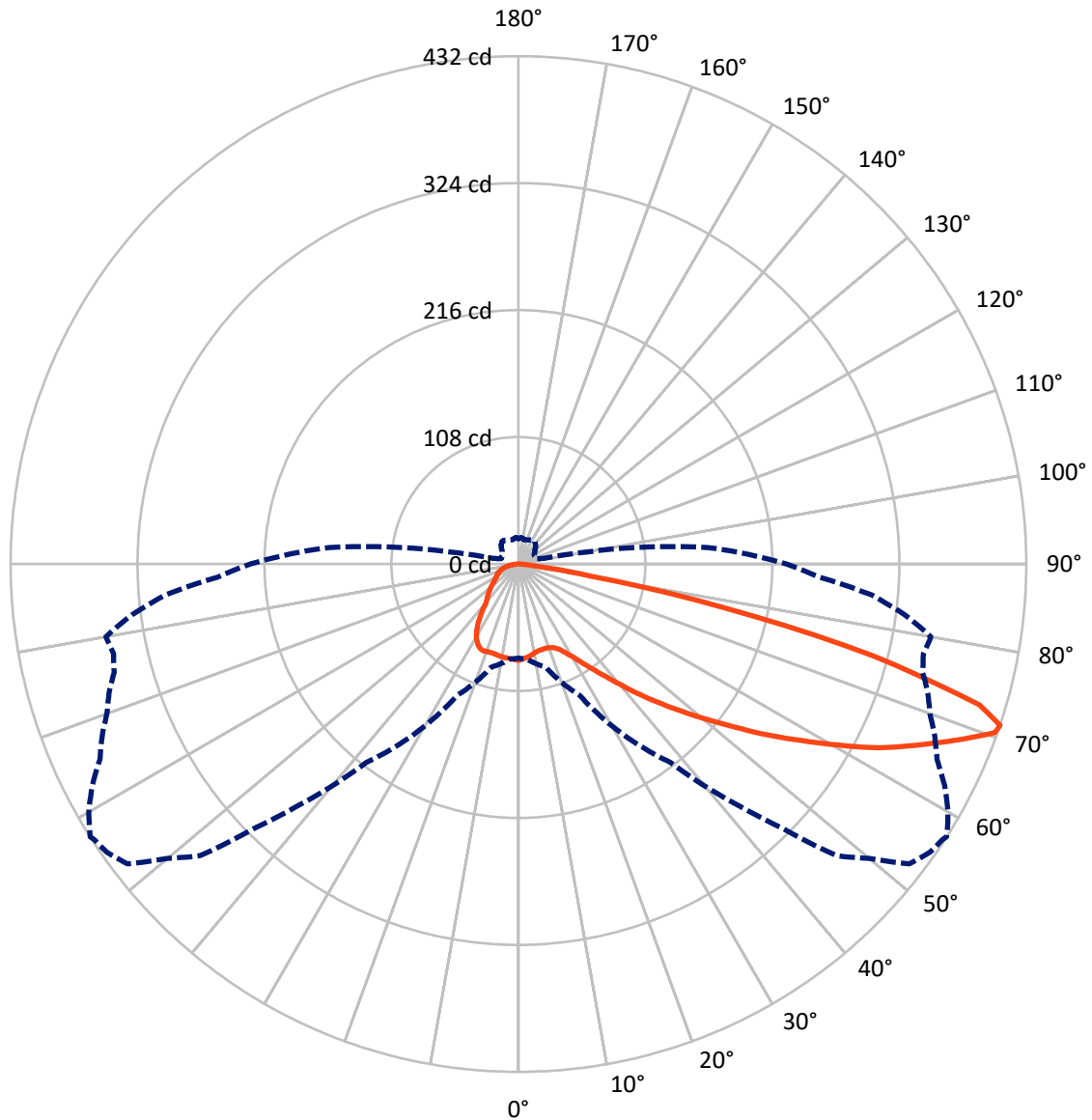
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 138.0 | 0.0 | 138.0 |
| | % Fixture | 21.8 | 0.0 | 21.8 |
| Street Side | Lumens | 496.0 | 0.0 | 496.0 |
| | % Fixture | 78.2 | 0.0 | 78.2 |
| Total | Lumens | 634.0 | 0.0 | 634.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 7.7 | 1.2 |
| 10°-20° | 22.2 | 3.5 |
| 20°-30° | 36.9 | 5.8 |
| 30°-40° | 58.7 | 9.3 |
| 40°-50° | 95.4 | 15.0 |
| 50°-60° | 143.0 | 22.6 |
| 60°-70° | 170.6 | 26.9 |
| 70°-80° | 92.1 | 14.5 |
| 80°-90° | 7.5 | 1.2 |
| 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° | 634.0 | 100.0 |
| 0°-180° | 634.0 | 100.0 |



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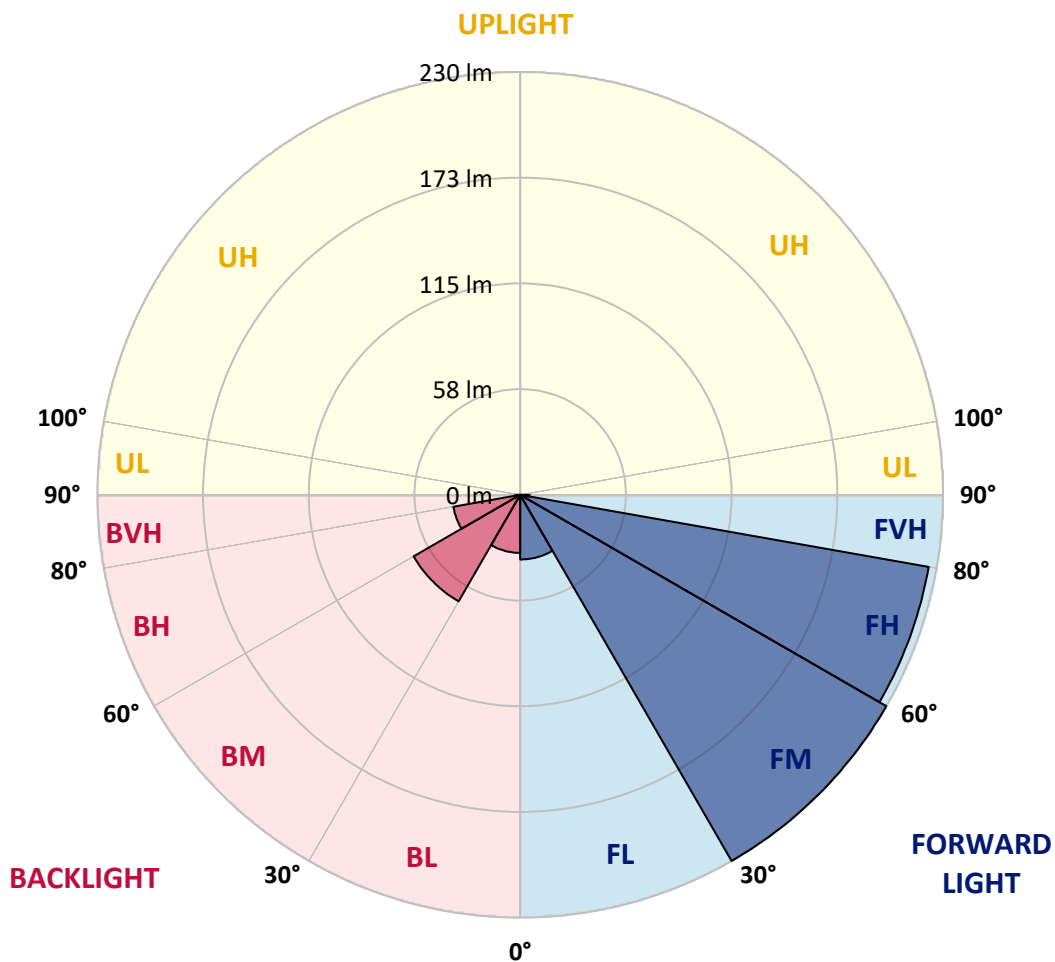
CATALOG NUMBER: ISC-AF-XXX-LED-E1-T3-7060-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 35.2 | 5.5 | | | |
| FM | (30°-60°) | 230.1 | 36.3 | | | |
| FH | (60°-80°) | 225.8 | 35.6 | | | G0/660 |
| FVH | (80°-90°) | 4.9 | 0.8 | | | G0/10 |
| BL | (0°-30°) | 31.6 | 5.0 | B0/110 | | |
| BM | (30°-60°) | 66.9 | 10.6 | B0/220 | | |
| BH | (60°-80°) | 36.9 | 5.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.6 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G0

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 2.5° | 81.9 | 81.7 | 81.5 | 81.5 | 81.5 | 81.3 | 80.6 | 80.9 | 81.5 | 81.1 | 81.7 |
| 5° | 81.7 | 81.3 | 81.1 | 81.1 | 81.1 | 80.4 | 80.2 | 80.0 | 81.3 | 80.2 | 81.1 |
| 7.5° | 79.4 | 79.4 | 79.0 | 79.4 | 79.8 | 79.2 | 78.8 | 79.0 | 80.0 | 79.0 | 80.0 |
| 10° | 77.7 | 77.3 | 77.1 | 77.1 | 77.5 | 76.7 | 76.2 | 76.7 | 77.9 | 76.7 | 78.1 |
| 12.5° | 77.1 | 77.3 | 76.7 | 76.7 | 76.5 | 75.4 | 75.4 | 75.4 | 76.5 | 75.4 | 76.7 |
| 15° | 78.1 | 77.9 | 77.3 | 76.9 | 76.2 | 75.4 | 75.2 | 75.4 | 76.2 | 75.0 | 76.5 |
| 17.5° | 79.6 | 79.6 | 78.6 | 77.5 | 76.9 | 76.0 | 76.0 | 75.6 | 76.2 | 75.4 | 76.5 |
| 20° | 83.4 | 82.7 | 81.3 | 79.6 | 77.9 | 77.5 | 76.7 | 76.7 | 77.1 | 76.2 | 76.9 |
| 22.5° | 89.9 | 89.2 | 86.7 | 83.6 | 80.9 | 79.8 | 79.4 | 79.2 | 78.8 | 78.3 | 78.3 |
| 25° | 98.5 | 97.4 | 94.5 | 90.7 | 86.1 | 85.3 | 84.4 | 83.8 | 82.3 | 82.3 | 81.3 |
| 27.5° | 107.7 | 106.6 | 103.5 | 99.3 | 93.6 | 92.4 | 91.3 | 90.5 | 88.0 | 88.0 | 86.1 |
| 30° | 118.1 | 116.9 | 113.1 | 108.5 | 102.0 | 101.6 | 100.1 | 98.9 | 95.5 | 95.3 | 92.8 |
| 32.5° | 130.3 | 128.6 | 124.8 | 118.8 | 111.9 | 112.1 | 109.8 | 108.9 | 104.5 | 104.7 | 101.4 |
| 35° | 144.1 | 142.2 | 138.5 | 130.5 | 123.4 | 124.0 | 121.9 | 120.4 | 115.0 | 115.0 | 111.4 |
| 37.5° | 158.8 | 158.8 | 154.0 | 144.7 | 136.2 | 137.6 | 135.1 | 133.6 | 128.2 | 129.0 | 123.4 |
| 40° | 175.1 | 176.2 | 170.9 | 160.5 | 151.7 | 152.3 | 150.4 | 148.7 | 142.2 | 143.7 | 137.6 |
| 42.5° | 192.3 | 194.2 | 189.6 | 178.7 | 168.8 | 170.9 | 167.8 | 166.1 | 159.2 | 162.3 | 155.2 |
| 45° | 217.2 | 217.6 | 209.1 | 198.6 | 190.4 | 192.3 | 187.9 | 187.3 | 178.7 | 182.0 | 174.9 |
| 47.5° | 232.9 | 231.9 | 225.6 | 219.3 | 214.5 | 218.3 | 214.3 | 213.2 | 203.4 | 205.7 | 195.6 |
| 50° | 243.6 | 244.2 | 239.4 | 238.8 | 239.6 | 246.8 | 246.1 | 244.0 | 232.3 | 230.6 | 218.1 |
| 52.5° | 253.3 | 250.5 | 249.7 | 255.6 | 264.6 | 272.9 | 276.3 | 273.6 | 260.8 | 256.2 | 244.0 |
| 55° | 251.6 | 247.6 | 252.0 | 266.2 | 284.0 | 297.0 | 297.4 | 295.6 | 284.0 | 282.2 | 269.0 |
| 57.5° | 240.3 | 241.1 | 250.1 | 270.4 | 300.6 | 314.0 | 316.3 | 314.0 | 304.6 | 306.2 | 295.4 |
| 60° | 224.6 | 226.2 | 240.5 | 266.7 | 313.8 | 325.3 | 326.4 | 329.1 | 322.8 | 327.2 | 319.7 |
| 62.5° | 201.1 | 203.4 | 221.6 | 257.2 | 304.6 | 321.7 | 331.4 | 337.7 | 336.4 | 346.5 | 342.5 |
| 65° | 184.8 | 184.8 | 202.6 | 246.3 | 295.6 | 318.2 | 332.6 | 344.4 | 346.0 | 362.0 | 360.5 |
| 67.5° | 154.4 | 155.4 | 170.7 | 216.0 | 284.7 | 310.2 | 332.0 | 351.9 | 362.0 | 387.1 | 388.4 |
| 70° | 106.8 | 107.7 | 117.7 | 154.2 | 230.0 | 251.8 | 283.8 | 316.3 | 346.5 | 384.4 | 404.1 |
| 71° | 80.0 | 81.1 | 90.9 | 123.0 | 194.8 | 212.8 | 246.1 | 279.9 | 317.8 | 367.0 | 389.2 |
| 72.5° | 39.2 | 39.8 | 49.4 | 79.0 | 135.5 | 158.6 | 177.8 | 210.1 | 250.3 | 306.7 | 338.1 |
| 75° | 18.2 | 18.4 | 20.5 | 28.5 | 51.7 | 61.6 | 70.2 | 90.9 | 115.8 | 165.3 | 203.4 |
| 77.5° | 13.4 | 13.4 | 14.7 | 18.6 | 26.8 | 27.2 | 26.8 | 27.4 | 33.1 | 47.3 | 71.2 |
| 80° | 9.8 | 9.8 | 10.7 | 12.6 | 17.8 | 17.8 | 17.2 | 17.4 | 16.8 | 17.4 | 19.7 |
| 82.5° | 6.5 | 6.5 | 6.9 | 7.5 | 10.9 | 10.9 | 10.5 | 10.5 | 10.1 | 9.8 | 10.7 |
| 85° | 3.8 | 4.0 | 4.2 | 3.6 | 4.6 | 4.4 | 4.0 | 4.4 | 4.2 | 3.8 | 4.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 |
| 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):

| | 52.5° | 55° | 57° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 2.5° | 80.9 | 81.5 | 81.5 | 80.6 | 81.3 | 80.6 | 81.1 | 80.4 | 81.1 | 80.0 | 81.3 |
| 5° | 80.2 | 80.9 | 80.9 | 79.6 | 80.9 | 79.6 | 80.6 | 79.2 | 80.6 | 79.0 | 80.6 |
| 7.5° | 78.6 | 80.0 | 80.0 | 78.3 | 79.8 | 78.6 | 79.8 | 78.3 | 79.6 | 77.7 | 79.8 |
| 10° | 76.7 | 78.1 | 78.3 | 76.7 | 78.3 | 76.9 | 78.8 | 76.9 | 78.8 | 76.7 | 79.0 |
| 12.5° | 75.4 | 77.1 | 77.5 | 75.6 | 77.7 | 75.8 | 78.1 | 76.0 | 78.1 | 75.8 | 78.6 |
| 15° | 75.2 | 76.7 | 77.1 | 75.4 | 77.3 | 75.2 | 77.9 | 75.4 | 78.1 | 75.6 | 78.8 |
| 17.5° | 75.4 | 76.7 | 77.1 | 75.2 | 77.1 | 75.4 | 77.7 | 75.6 | 78.1 | 75.8 | 78.8 |
| 20° | 76.0 | 76.9 | 76.9 | 75.8 | 77.3 | 75.8 | 77.7 | 75.6 | 78.3 | 76.2 | 79.0 |
| 22.5° | 77.9 | 78.1 | 78.1 | 77.3 | 78.1 | 77.1 | 78.6 | 77.1 | 79.0 | 77.3 | 79.8 |
| 25° | 81.1 | 80.9 | 80.4 | 80.2 | 80.4 | 79.8 | 80.6 | 79.6 | 81.5 | 80.0 | 82.5 |
| 27.5° | 86.5 | 85.7 | 85.3 | 85.3 | 85.0 | 85.3 | 85.3 | 84.8 | 85.7 | 85.3 | 86.9 |
| 30° | 93.2 | 91.7 | 91.1 | 91.7 | 90.9 | 91.7 | 91.5 | 91.3 | 92.2 | 91.7 | 93.2 |
| 32.5° | 102.0 | 99.5 | 99.1 | 100.3 | 98.7 | 100.1 | 98.9 | 99.5 | 100.1 | 100.5 | 101.4 |
| 35° | 112.3 | 109.3 | 108.9 | 110.2 | 108.3 | 110.4 | 108.9 | 109.8 | 110.2 | 111.2 | 111.9 |
| 37.5° | 124.4 | 120.9 | 120.2 | 121.9 | 119.4 | 121.7 | 119.6 | 122.1 | 121.5 | 123.0 | 123.6 |
| 40° | 139.1 | 134.9 | 133.4 | 135.7 | 132.8 | 134.7 | 132.6 | 135.3 | 134.7 | 137.6 | 138.3 |
| 42.5° | 157.1 | 151.0 | 149.6 | 151.9 | 147.5 | 148.1 | 146.4 | 149.6 | 149.1 | 153.1 | 153.8 |
| 45° | 175.7 | 168.4 | 166.3 | 168.6 | 163.6 | 164.9 | 162.3 | 165.7 | 165.5 | 168.6 | 171.1 |
| 47.5° | 196.5 | 187.5 | 184.8 | 187.3 | 181.2 | 182.7 | 180.1 | 183.7 | 183.9 | 187.5 | 190.0 |
| 50° | 218.1 | 208.6 | 205.1 | 207.4 | 201.7 | 202.8 | 200.3 | 204.7 | 204.4 | 209.3 | 211.1 |
| 52.5° | 241.5 | 231.9 | 229.2 | 230.2 | 223.5 | 224.8 | 222.7 | 228.1 | 226.9 | 229.8 | 233.6 |
| 55° | 267.5 | 256.4 | 253.3 | 256.4 | 248.4 | 250.1 | 247.4 | 252.4 | 250.3 | 254.1 | 255.1 |
| 57.5° | 294.1 | 283.2 | 280.7 | 283.0 | 275.5 | 276.7 | 273.2 | 277.3 | 275.7 | 278.2 | 279.9 |
| 60° | 322.4 | 312.5 | 310.0 | 312.5 | 305.2 | 305.4 | 299.3 | 303.7 | 301.2 | 304.4 | 303.7 |
| 62.5° | 349.4 | 341.0 | 340.4 | 344.0 | 334.7 | 333.7 | 326.4 | 329.5 | 325.9 | 328.0 | 325.5 |
| 65° | 372.4 | 367.6 | 368.5 | 371.4 | 363.2 | 360.7 | 352.3 | 354.0 | 348.8 | 348.8 | 345.6 |
| 67.5° | 402.6 | 397.4 | 397.4 | 399.9 | 389.6 | 383.1 | 371.6 | 370.1 | 361.5 | 359.9 | 352.5 |
| 70° | 427.7 | 429.2 | 427.5 | 429.6 | 417.5 | 404.3 | 389.0 | 381.7 | 370.3 | 364.9 | 356.3 |
| 71° | 418.7 | 427.1 | 430.0 | 431.7 | 421.7 | 408.5 | 392.5 | 383.1 | 372.2 | 364.9 | 355.7 |
| 72.5° | 377.9 | 398.2 | 409.7 | 409.7 | 411.0 | 402.6 | 387.3 | 377.0 | 364.7 | 355.1 | 346.5 |
| 75° | 264.8 | 297.9 | 312.7 | 311.1 | 322.0 | 325.7 | 327.0 | 322.6 | 315.7 | 301.8 | 295.8 |
| 77.5° | 117.9 | 155.4 | 177.8 | 178.1 | 189.8 | 200.0 | 208.2 | 216.8 | 213.7 | 207.0 | 206.5 |
| 80° | 26.8 | 48.6 | 62.2 | 62.8 | 73.5 | 83.0 | 88.6 | 97.2 | 98.2 | 88.6 | 83.2 |
| 82.5° | 11.5 | 13.6 | 15.5 | 15.3 | 18.9 | 22.6 | 26.8 | 29.1 | 28.1 | 23.3 | 22.0 |
| 85° | 4.8 | 6.3 | 6.7 | 6.3 | 7.8 | 8.6 | 10.1 | 10.3 | 11.9 | 10.7 | 11.3 |
| 87.5° | 0.0 | 0.2 | 0.2 | 0.0 | 0.4 | 0.0 | 0.4 | 0.2 | 1.0 | 0.4 | 1.3 |
| 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° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 0° | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 2.5° | 80.4 | 81.5 | 80.4 | 81.5 | 80.9 | 81.5 | 81.3 | 81.5 | 80.4 | 81.5 | 80.2 |
| 5° | 79.0 | 80.6 | 79.2 | 80.4 | 79.2 | 80.6 | 80.6 | 80.6 | 79.2 | 80.9 | 79.4 |
| 7.5° | 77.7 | 79.6 | 77.7 | 79.6 | 78.3 | 79.8 | 79.8 | 80.4 | 78.8 | 80.6 | 78.6 |
| 10° | 76.5 | 78.8 | 76.5 | 79.2 | 77.1 | 79.4 | 79.6 | 80.0 | 77.7 | 80.2 | 78.1 |
| 12.5° | 75.8 | 78.8 | 76.0 | 78.8 | 76.2 | 79.4 | 79.6 | 80.0 | 77.5 | 80.6 | 77.9 |
| 15° | 75.8 | 79.0 | 76.0 | 79.0 | 76.2 | 79.4 | 79.8 | 80.2 | 77.5 | 80.9 | 77.9 |
| 17.5° | 75.8 | 79.0 | 76.5 | 79.2 | 76.7 | 79.6 | 80.0 | 80.4 | 77.9 | 80.9 | 78.3 |
| 20° | 76.5 | 79.4 | 76.9 | 79.8 | 77.3 | 80.2 | 80.4 | 81.1 | 78.3 | 81.1 | 78.8 |
| 22.5° | 77.9 | 80.4 | 78.3 | 81.1 | 79.2 | 81.5 | 81.7 | 82.3 | 80.2 | 82.5 | 80.6 |
| 25° | 80.4 | 83.2 | 81.5 | 83.6 | 82.5 | 84.4 | 84.8 | 84.8 | 84.0 | 85.5 | 84.8 |
| 27.5° | 85.7 | 87.8 | 86.5 | 88.4 | 87.8 | 89.2 | 89.2 | 89.4 | 90.1 | 90.5 | 91.1 |
| 30° | 92.4 | 93.8 | 93.4 | 94.5 | 94.7 | 95.5 | 95.5 | 96.8 | 99.3 | 96.8 | 96.6 |
| 32.5° | 101.4 | 102.2 | 102.4 | 102.9 | 103.7 | 104.3 | 105.2 | 106.6 | 108.7 | 102.9 | 101.0 |
| 35° | 112.5 | 112.7 | 113.3 | 114.0 | 115.4 | 115.8 | 118.6 | 117.5 | 117.5 | 108.3 | 104.3 |
| 37.5° | 124.6 | 124.6 | 126.3 | 126.3 | 129.9 | 130.1 | 132.8 | 127.4 | 124.2 | 112.3 | 106.4 |
| 40° | 139.9 | 139.7 | 141.6 | 142.0 | 146.8 | 147.0 | 146.6 | 134.7 | 128.0 | 113.3 | 105.4 |
| 42.5° | 156.1 | 156.7 | 159.2 | 160.0 | 163.6 | 164.9 | 159.6 | 139.7 | 129.7 | 112.7 | 101.8 |
| 45° | 173.7 | 174.9 | 178.1 | 180.4 | 184.1 | 182.7 | 170.1 | 142.0 | 127.8 | 108.9 | 94.9 |
| 47.5° | 192.9 | 194.2 | 196.7 | 201.1 | 202.8 | 201.1 | 178.7 | 142.9 | 124.8 | 103.1 | 84.8 |
| 50° | 212.4 | 214.5 | 218.1 | 224.3 | 225.2 | 221.0 | 189.2 | 146.0 | 122.5 | 97.0 | 73.3 |
| 52.5° | 234.4 | 236.5 | 240.7 | 251.2 | 249.1 | 240.5 | 201.5 | 151.9 | 123.2 | 93.2 | 63.5 |
| 55° | 257.6 | 260.6 | 268.8 | 279.0 | 274.4 | 261.0 | 215.1 | 160.5 | 125.7 | 89.2 | 52.6 |
| 57.5° | 282.2 | 285.3 | 296.0 | 308.1 | 299.1 | 281.1 | 229.0 | 167.2 | 126.9 | 81.1 | 40.6 |
| 60° | 306.5 | 310.9 | 324.7 | 334.7 | 320.7 | 298.3 | 241.3 | 171.6 | 123.6 | 65.6 | 31.4 |
| 62.5° | 328.7 | 335.8 | 351.3 | 356.7 | 334.3 | 309.2 | 248.0 | 168.4 | 110.0 | 45.2 | 25.3 |
| 65° | 344.4 | 353.6 | 363.6 | 363.0 | 331.8 | 305.6 | 243.0 | 154.0 | 81.9 | 30.0 | 21.6 |
| 67.5° | 351.1 | 359.7 | 362.0 | 351.3 | 313.8 | 289.9 | 225.0 | 124.0 | 47.1 | 22.4 | 18.9 |
| 70° | 353.6 | 360.9 | 347.9 | 322.2 | 278.6 | 251.4 | 183.9 | 79.0 | 25.8 | 18.2 | 16.3 |
| 71° | 352.5 | 356.1 | 331.4 | 301.2 | 256.2 | 227.7 | 161.3 | 60.1 | 22.0 | 17.0 | 15.5 |
| 72.5° | 338.3 | 333.3 | 295.1 | 261.6 | 217.2 | 188.3 | 125.5 | 37.9 | 18.0 | 15.3 | 14.5 |
| 75° | 276.5 | 253.9 | 217.2 | 185.6 | 147.9 | 118.4 | 68.1 | 19.5 | 14.5 | 13.2 | 12.6 |
| 77.5° | 180.8 | 161.1 | 130.9 | 106.4 | 80.9 | 61.4 | 27.9 | 13.4 | 11.5 | 11.1 | 10.9 |
| 80° | 64.5 | 51.7 | 39.2 | 34.4 | 26.0 | 21.4 | 13.6 | 10.3 | 9.0 | 9.2 | 9.0 |
| 82.5° | 18.2 | 16.8 | 14.5 | 13.4 | 11.7 | 11.5 | 8.8 | 7.8 | 7.1 | 7.5 | 7.3 |
| 85° | 9.0 | 7.8 | 5.7 | 5.4 | 4.2 | 4.8 | 4.4 | 5.2 | 4.6 | 4.8 | 4.4 |
| 87.5° | 0.6 | 0.8 | 0.2 | 0.6 | 0.0 | 0.6 | 0.8 | 1.0 | 0.2 | 0.8 | 0.6 |
| 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-XXX-LED-E1-T3-7060-XXB

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° |
|-------|------|--------|------|--------|------|--------|------|--------|------|------|------|
| 0° | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 2.5° | 81.7 | 80.9 | 81.9 | 80.9 | 81.9 | 81.3 | 81.9 | 81.3 | 81.9 | 82.3 | 82.3 |
| 5° | 81.3 | 79.8 | 81.7 | 80.6 | 81.9 | 80.9 | 81.7 | 81.1 | 82.1 | 82.5 | 83.0 |
| 7.5° | 81.1 | 79.6 | 81.5 | 80.0 | 81.9 | 80.4 | 81.7 | 80.9 | 82.1 | 82.5 | 83.4 |
| 10° | 80.9 | 79.0 | 81.5 | 79.4 | 81.7 | 80.2 | 81.7 | 80.4 | 81.9 | 82.3 | 82.5 |
| 12.5° | 80.9 | 78.8 | 81.5 | 79.2 | 81.7 | 79.6 | 81.5 | 79.6 | 81.7 | 81.5 | 80.9 |
| 15° | 81.1 | 78.3 | 81.5 | 78.8 | 81.5 | 79.0 | 81.3 | 78.8 | 80.9 | 80.2 | 79.8 |
| 17.5° | 81.1 | 78.3 | 81.3 | 78.6 | 81.1 | 78.8 | 80.6 | 78.3 | 80.2 | 80.0 | 79.4 |
| 20° | 81.5 | 78.8 | 81.3 | 79.4 | 81.3 | 79.0 | 80.4 | 78.3 | 79.8 | 78.6 | 76.0 |
| 22.5° | 82.7 | 80.9 | 82.7 | 80.9 | 81.7 | 79.6 | 80.2 | 77.7 | 77.5 | 75.4 | 71.4 |
| 25° | 85.7 | 84.8 | 84.4 | 82.1 | 81.5 | 78.8 | 77.9 | 75.0 | 73.9 | 70.8 | 65.4 |
| 27.5° | 89.4 | 87.6 | 85.0 | 82.3 | 79.6 | 76.2 | 73.9 | 71.6 | 69.3 | 65.4 | 58.4 |
| 30° | 92.0 | 89.2 | 84.0 | 80.2 | 75.2 | 72.5 | 68.5 | 66.0 | 62.6 | 57.6 | 50.9 |
| 32.5° | 93.6 | 89.4 | 81.5 | 77.1 | 70.4 | 66.8 | 61.6 | 58.9 | 54.0 | 49.2 | 44.4 |
| 35° | 94.1 | 88.6 | 78.1 | 73.3 | 64.5 | 60.5 | 53.6 | 50.7 | 46.1 | 42.7 | 40.8 |
| 37.5° | 92.4 | 85.7 | 72.9 | 66.6 | 57.0 | 52.4 | 45.9 | 43.8 | 41.1 | 39.8 | 39.0 |
| 40° | 89.0 | 80.0 | 64.7 | 57.4 | 47.5 | 44.0 | 40.6 | 40.6 | 39.2 | 38.5 | 37.1 |
| 42.5° | 83.0 | 71.6 | 54.3 | 47.1 | 40.4 | 39.8 | 37.9 | 38.8 | 37.7 | 37.3 | 35.2 |
| 45° | 73.5 | 59.7 | 43.8 | 39.6 | 36.4 | 36.9 | 35.6 | 36.4 | 35.8 | 35.6 | 33.1 |
| 47.5° | 61.4 | 47.5 | 36.9 | 35.4 | 33.3 | 33.9 | 32.9 | 33.9 | 33.3 | 33.5 | 31.6 |
| 50° | 49.0 | 38.5 | 32.7 | 31.8 | 30.4 | 30.8 | 30.2 | 31.2 | 31.0 | 31.8 | 30.8 |
| 52.5° | 39.2 | 32.9 | 29.1 | 28.5 | 27.7 | 27.9 | 27.7 | 28.7 | 28.9 | 30.6 | 30.6 |
| 55° | 32.5 | 28.3 | 26.2 | 26.0 | 25.1 | 25.3 | 25.6 | 26.6 | 27.4 | 29.5 | 30.6 |
| 57.5° | 27.9 | 25.3 | 23.9 | 23.7 | 23.3 | 23.5 | 23.9 | 25.1 | 26.0 | 28.7 | 31.0 |
| 60° | 24.5 | 23.0 | 22.0 | 22.0 | 21.6 | 22.0 | 22.4 | 23.7 | 24.7 | 27.9 | 30.2 |
| 62.5° | 22.0 | 20.9 | 20.3 | 20.5 | 20.3 | 20.7 | 21.2 | 22.4 | 23.7 | 26.6 | 28.9 |
| 65° | 19.7 | 19.1 | 18.6 | 18.9 | 18.9 | 19.5 | 19.9 | 21.2 | 22.2 | 24.9 | 27.9 |
| 67.5° | 17.8 | 17.4 | 17.2 | 17.4 | 17.6 | 18.2 | 18.9 | 19.7 | 20.5 | 23.0 | 26.4 |
| 70° | 16.3 | 15.9 | 15.9 | 15.9 | 16.1 | 16.8 | 17.6 | 18.0 | 18.9 | 21.6 | 24.7 |
| 71° | 15.5 | 15.3 | 15.3 | 15.3 | 15.5 | 16.1 | 17.0 | 17.4 | 18.2 | 20.9 | 23.9 |
| 72.5° | 14.5 | 14.5 | 14.7 | 14.5 | 14.9 | 15.1 | 15.9 | 16.3 | 17.4 | 20.1 | 22.8 |
| 75° | 12.8 | 12.8 | 13.0 | 13.0 | 13.4 | 13.4 | 14.0 | 14.5 | 15.7 | 18.0 | 20.5 |
| 77.5° | 11.3 | 11.3 | 11.7 | 11.5 | 11.5 | 11.1 | 11.9 | 12.4 | 13.4 | 15.7 | 18.2 |
| 80° | 9.6 | 9.4 | 9.8 | 9.2 | 9.0 | 8.6 | 9.2 | 9.8 | 11.5 | 13.0 | 13.4 |
| 82.5° | 7.5 | 6.9 | 7.1 | 6.5 | 6.5 | 6.1 | 6.7 | 6.9 | 8.0 | 9.4 | 10.3 |
| 85° | 4.6 | 3.8 | 4.2 | 3.6 | 4.0 | 3.6 | 3.8 | 4.0 | 4.8 | 5.9 | 5.7 |
| 87.5° | 1.0 | 0.6 | 0.8 | 0.2 | 0.6 | 0.0 | 0.6 | 0.2 | 0.6 | 0.2 | 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):

| | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|
| 0° | 81.9 | 81.9 | 81.9 | 81.9 |
| 2.5° | 82.7 | 82.5 | 82.7 | 82.5 |
| 5° | 83.8 | 83.8 | 84.0 | 84.2 |
| 7.5° | 84.0 | 84.4 | 84.8 | 84.6 |
| 10° | 82.5 | 82.1 | 82.5 | 82.1 |
| 12.5° | 80.2 | 79.8 | 80.2 | 80.2 |
| 15° | 80.0 | 79.8 | 80.0 | 80.0 |
| 17.5° | 78.6 | 77.5 | 77.1 | 76.9 |
| 20° | 74.4 | 72.5 | 72.1 | 71.4 |
| 22.5° | 68.5 | 65.8 | 64.9 | 64.3 |
| 25° | 61.4 | 57.6 | 56.1 | 55.3 |
| 27.5° | 53.6 | 49.9 | 48.4 | 48.4 |
| 30° | 47.5 | 44.6 | 43.2 | 43.2 |
| 32.5° | 43.2 | 41.5 | 40.4 | 40.6 |
| 35° | 39.6 | 38.5 | 37.9 | 38.1 |
| 37.5° | 37.3 | 35.6 | 34.1 | 34.1 |
| 40° | 35.0 | 32.9 | 31.0 | 31.0 |
| 42.5° | 32.9 | 30.8 | 29.5 | 29.3 |
| 45° | 30.8 | 29.3 | 28.3 | 28.1 |
| 47.5° | 29.7 | 28.5 | 27.4 | 27.2 |
| 50° | 29.3 | 28.1 | 26.6 | 26.6 |
| 52.5° | 29.7 | 28.7 | 26.0 | 26.0 |
| 55° | 30.6 | 30.0 | 26.0 | 25.6 |
| 57.5° | 29.7 | 28.7 | 26.2 | 25.6 |
| 60° | 27.9 | 26.2 | 25.8 | 25.3 |
| 62.5° | 26.6 | 24.9 | 25.8 | 25.6 |
| 65° | 25.6 | 24.3 | 26.2 | 25.8 |
| 67.5° | 24.5 | 23.3 | 26.2 | 25.3 |
| 70° | 23.3 | 22.0 | 23.9 | 22.4 |
| 71° | 22.6 | 21.2 | 22.6 | 21.4 |
| 72.5° | 21.6 | 19.9 | 20.3 | 19.5 |
| 75° | 19.5 | 17.8 | 17.4 | 17.2 |
| 77.5° | 16.1 | 14.2 | 13.6 | 13.4 |
| 80° | 12.4 | 11.1 | 11.1 | 10.5 |
| 82.5° | 9.2 | 8.2 | 8.0 | 6.9 |
| 85° | 4.8 | 3.8 | 3.1 | 3.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)