

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: P271422

Luminaire Tested: **ISC-AF-XXX-LED-E1-SL2-7027-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29761)
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-SL2-7027-XXB
Description: IMPACT ELITE LED CYLINDER LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 521.2 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

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

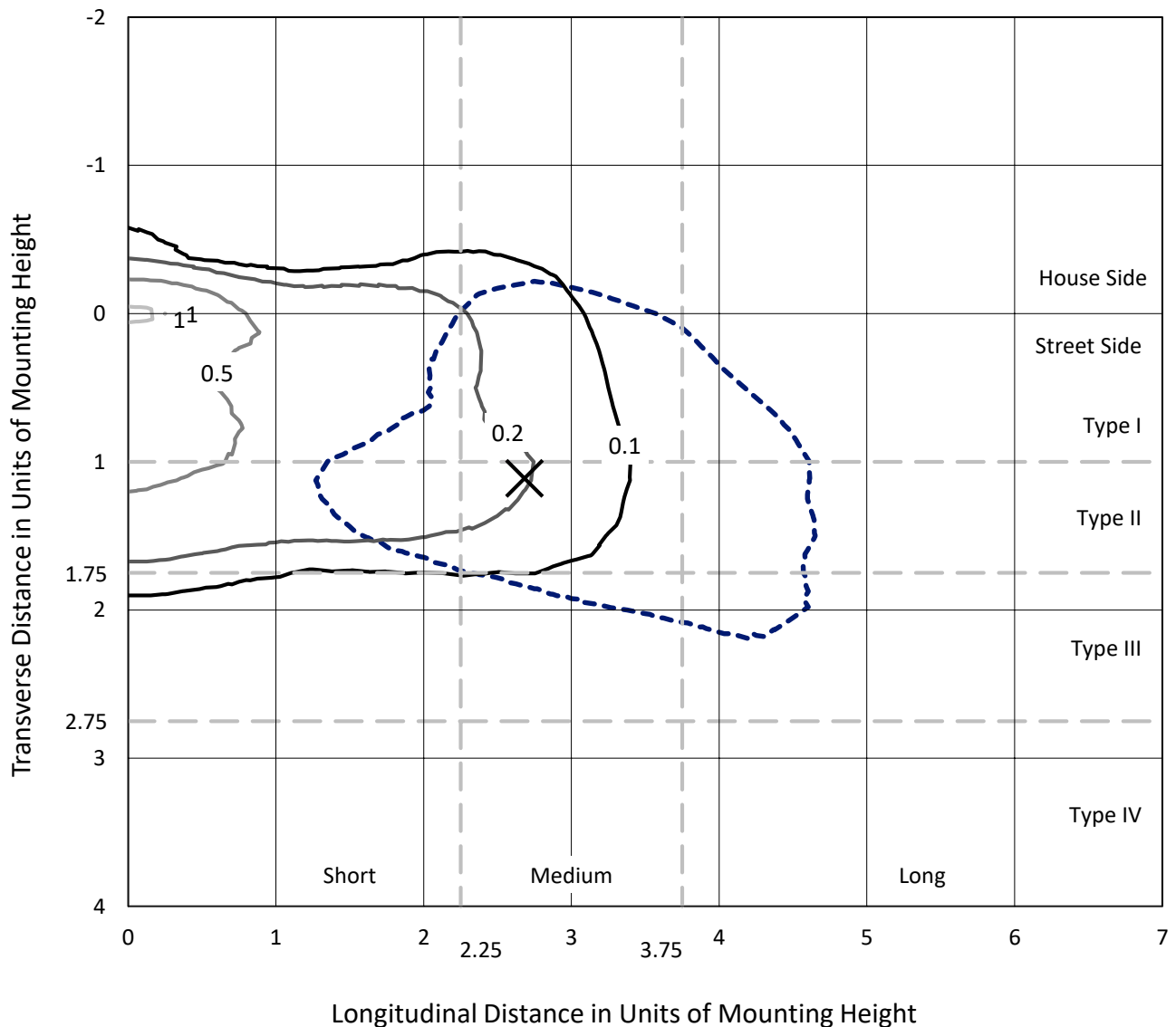


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

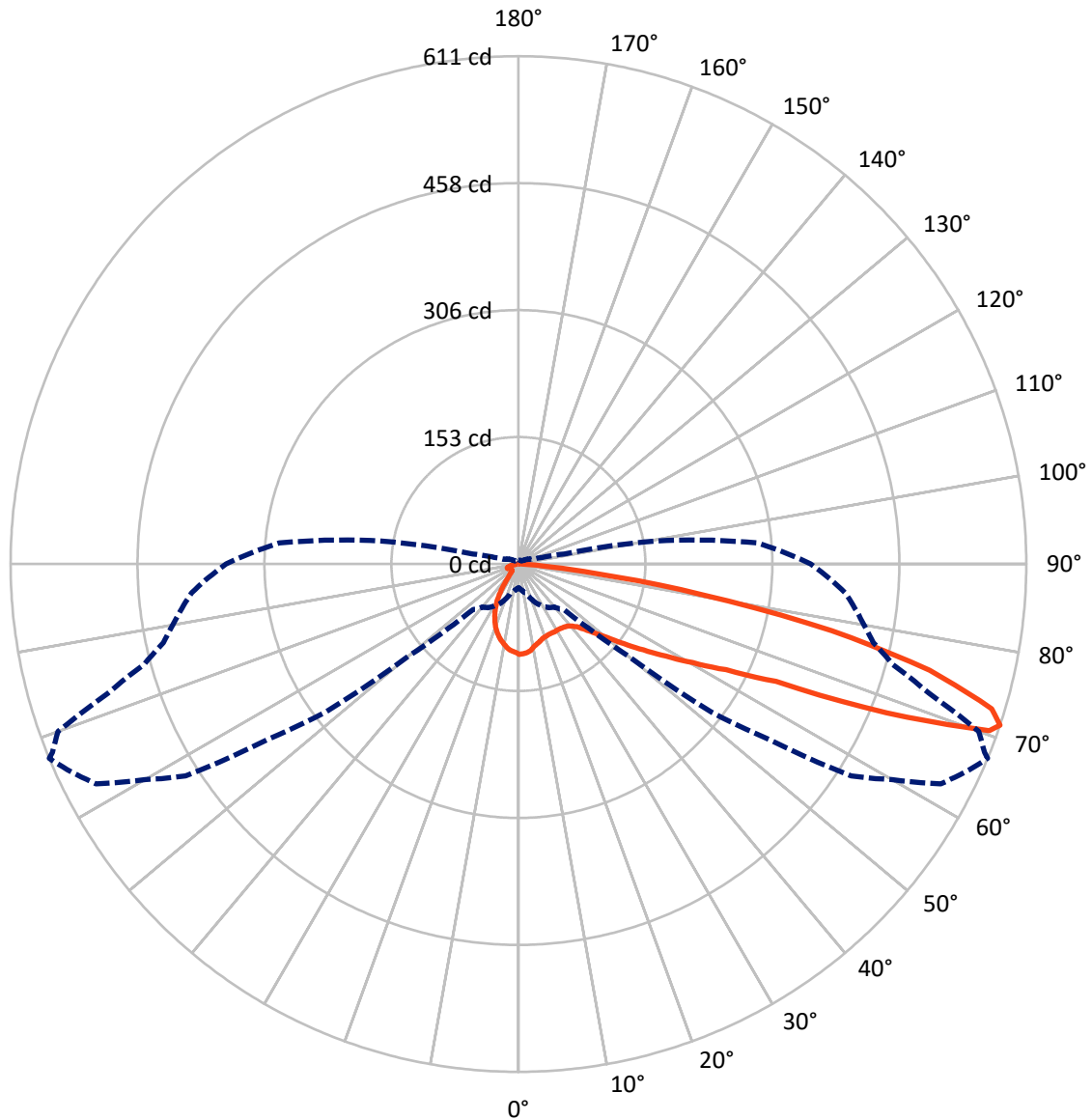


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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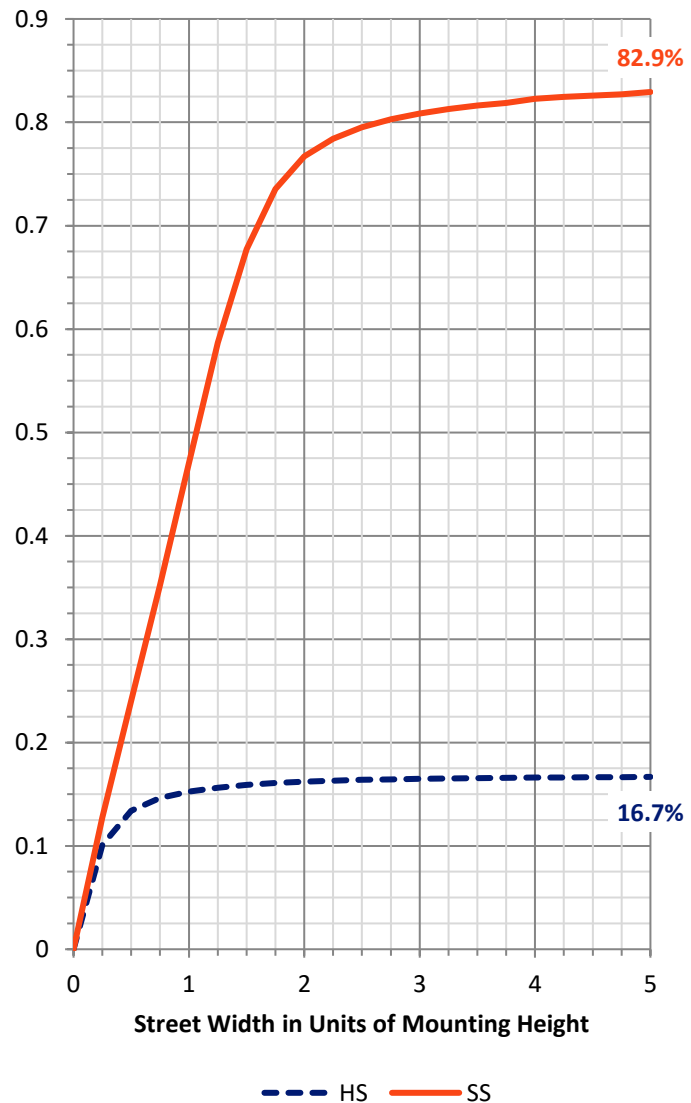
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 87.8 | 0.0 | 87.8 |
| | % Fixture | 16.8 | 0.0 | 16.8 |
| Street Side | Lumens | 433.3 | 0.0 | 433.3 |
| | % Fixture | 83.2 | 0.0 | 83.2 |
| Total | Lumens | 521.2 | 0.0 | 521.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.5 | 1.8 |
| 10°-20° | 22.7 | 4.4 |
| 20°-30° | 30.8 | 5.9 |
| 30°-40° | 42.1 | 8.1 |
| 40°-50° | 63.5 | 12.2 |
| 50°-60° | 100.6 | 19.3 |
| 60°-70° | 133.2 | 25.6 |
| 70°-80° | 106.1 | 20.4 |
| 80°-90° | 12.6 | 2.4 |
| 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° | 521.2 | 100.0 |
| 0°-180° | 521.2 | 100.0 |

Coefficient of Utilization



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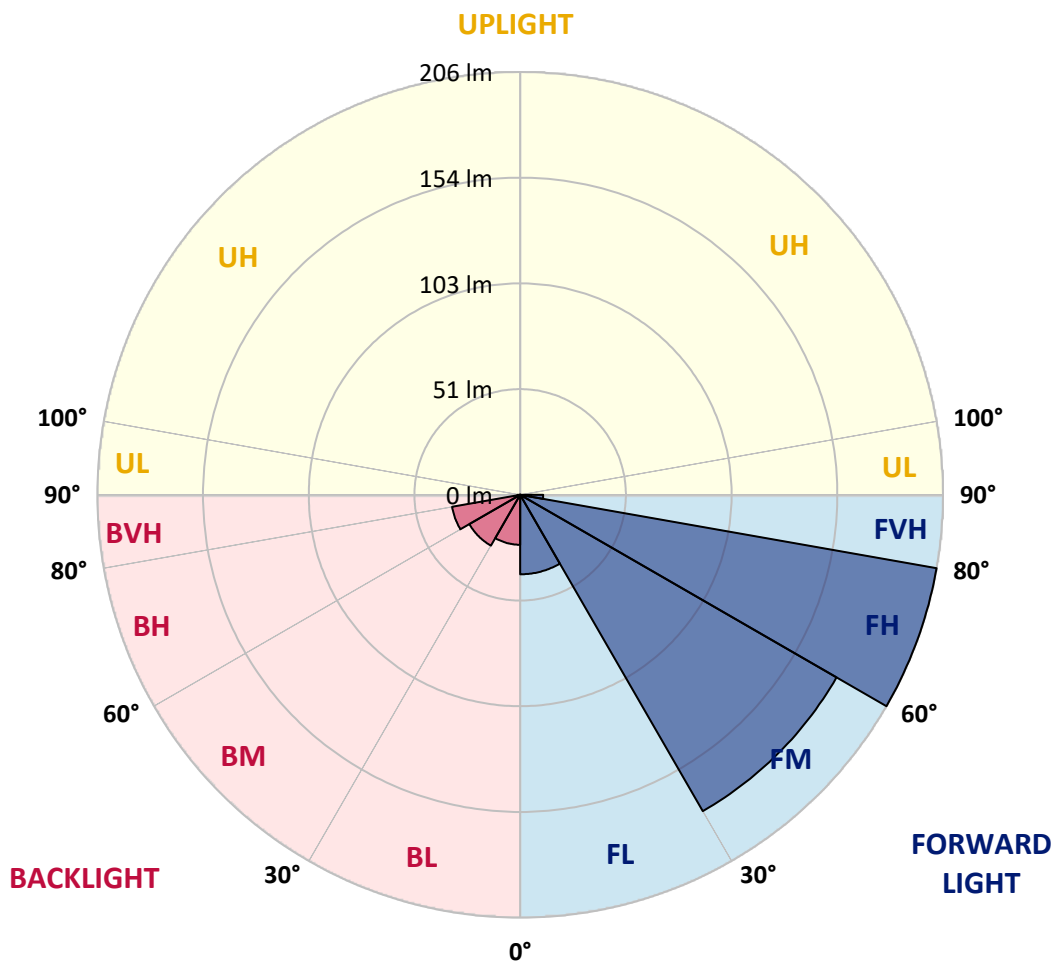
CATALOG NUMBER: ISC-AF-XXX-LED-E1-SL2-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 38.7 | 7.4 | | | |
| FM | (30°-60°) | 177.7 | 34.1 | | | |
| FH | (60°-80°) | 205.7 | 39.5 | | | G0/660 |
| FVH | (80°-90°) | 11.2 | 2.2 | | | G1/100 |
| BL | (0°-30°) | 24.3 | 4.7 | B0/110 | | |
| BM | (30°-60°) | 28.5 | 5.5 | B0/220 | | |
| BH | (60°-80°) | 33.6 | 6.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.4 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

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° | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 |
| 2.5° | 106.6 | 106.2 | 106.2 | 106.8 | 107.7 | 107.0 | 107.4 | 107.4 | 107.7 | 108.2 | 108.4 |
| 5° | 98.7 | 98.1 | 98.7 | 99.5 | 101.5 | 101.1 | 101.7 | 102.2 | 103.3 | 103.6 | 104.9 |
| 7.5° | 91.6 | 91.3 | 91.9 | 93.3 | 95.8 | 95.1 | 95.8 | 96.6 | 97.8 | 98.5 | 99.9 |
| 10° | 86.2 | 85.7 | 86.3 | 87.6 | 90.0 | 89.9 | 90.2 | 91.2 | 92.5 | 93.0 | 94.8 |
| 12.5° | 82.3 | 82.3 | 82.6 | 84.0 | 86.2 | 86.1 | 87.1 | 87.7 | 88.9 | 89.3 | 91.3 |
| 15° | 80.2 | 79.7 | 80.4 | 81.7 | 83.8 | 83.8 | 84.6 | 85.1 | 87.0 | 87.1 | 88.9 |
| 17.5° | 78.4 | 78.6 | 78.8 | 80.2 | 82.3 | 81.8 | 82.7 | 83.1 | 85.1 | 84.8 | 87.0 |
| 20° | 78.4 | 78.8 | 78.6 | 79.5 | 80.9 | 80.2 | 81.4 | 81.5 | 83.7 | 83.1 | 85.5 |
| 22.5° | 80.6 | 80.9 | 80.4 | 80.2 | 80.8 | 80.2 | 80.8 | 81.2 | 82.7 | 82.5 | 84.6 |
| 25° | 84.4 | 85.1 | 84.4 | 83.1 | 82.6 | 81.2 | 81.5 | 82.0 | 83.4 | 82.5 | 84.4 |
| 27.5° | 90.4 | 91.0 | 89.7 | 88.4 | 85.9 | 84.2 | 83.7 | 83.5 | 85.0 | 83.5 | 85.1 |
| 30° | 97.4 | 98.1 | 96.9 | 94.6 | 91.0 | 88.2 | 87.1 | 86.6 | 87.6 | 85.2 | 87.0 |
| 32.5° | 104.8 | 105.6 | 104.8 | 102.9 | 98.1 | 94.1 | 92.5 | 91.3 | 92.1 | 89.1 | 89.9 |
| 35° | 112.4 | 113.2 | 113.8 | 112.7 | 106.4 | 101.9 | 99.5 | 98.5 | 98.3 | 94.6 | 94.8 |
| 37.5° | 119.1 | 119.8 | 122.3 | 123.3 | 117.5 | 111.3 | 109.1 | 106.8 | 107.0 | 101.9 | 101.9 |
| 40° | 127.3 | 128.3 | 131.3 | 133.8 | 130.1 | 122.6 | 120.0 | 117.5 | 117.5 | 110.9 | 111.0 |
| 42.5° | 138.5 | 139.6 | 141.6 | 145.0 | 143.7 | 136.0 | 133.4 | 129.9 | 130.3 | 122.3 | 122.1 |
| 45° | 154.1 | 154.8 | 154.8 | 157.0 | 157.1 | 149.8 | 148.1 | 144.6 | 145.3 | 135.1 | 135.7 |
| 47.5° | 174.5 | 173.6 | 169.9 | 171.1 | 172.7 | 165.0 | 163.3 | 161.2 | 162.1 | 151.2 | 152.3 |
| 50° | 193.3 | 192.7 | 185.2 | 185.6 | 190.8 | 183.1 | 182.4 | 179.8 | 181.0 | 170.0 | 171.8 |
| 52.5° | 200.5 | 199.2 | 191.8 | 195.7 | 210.6 | 206.1 | 207.0 | 205.7 | 206.5 | 194.8 | 194.4 |
| 55° | 192.5 | 192.5 | 187.9 | 195.2 | 225.3 | 227.6 | 235.1 | 237.9 | 241.0 | 229.3 | 226.8 |
| 57.5° | 170.3 | 171.8 | 172.5 | 185.4 | 222.9 | 233.0 | 247.2 | 259.6 | 275.4 | 274.7 | 278.6 |
| 60° | 133.5 | 136.0 | 140.2 | 161.3 | 212.7 | 229.3 | 247.8 | 266.3 | 288.2 | 302.2 | 322.9 |
| 62.5° | 93.7 | 95.8 | 99.4 | 113.8 | 183.1 | 211.7 | 238.3 | 266.9 | 294.7 | 316.7 | 344.1 |
| 65° | 63.7 | 65.8 | 73.1 | 81.2 | 110.4 | 152.3 | 192.9 | 240.2 | 282.4 | 323.5 | 360.2 |
| 67.5° | 45.8 | 47.1 | 52.8 | 66.3 | 73.5 | 81.2 | 96.3 | 151.9 | 204.2 | 286.5 | 340.2 |
| 70° | 34.3 | 35.7 | 40.7 | 55.7 | 64.6 | 66.6 | 70.2 | 80.1 | 93.3 | 161.0 | 231.4 |
| 71° | 28.7 | 30.5 | 36.7 | 52.4 | 64.2 | 65.8 | 67.6 | 73.3 | 77.6 | 113.8 | 171.8 |
| 72.5° | 20.2 | 21.5 | 27.3 | 48.4 | 61.6 | 65.5 | 69.3 | 69.1 | 68.8 | 77.6 | 103.8 |
| 75° | 12.9 | 12.9 | 12.9 | 27.3 | 65.8 | 63.5 | 64.9 | 72.8 | 68.8 | 65.3 | 68.5 |
| 77.5° | 10.2 | 10.0 | 9.4 | 13.7 | 51.6 | 64.4 | 68.2 | 70.2 | 74.0 | 68.2 | 65.1 |
| 80° | 7.6 | 7.5 | 7.5 | 8.5 | 23.9 | 41.6 | 57.7 | 64.0 | 66.7 | 72.7 | 66.3 |
| 82.5° | 4.0 | 4.0 | 4.3 | 5.1 | 8.9 | 14.6 | 29.8 | 49.0 | 55.0 | 55.2 | 55.9 |
| 85° | 1.3 | 1.1 | 1.4 | 2.3 | 3.9 | 4.7 | 8.4 | 19.9 | 29.5 | 35.7 | 37.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 1.3 | 1.7 |
| 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° | 57.5° | 60° | 62.5° | 65° | 67.5° | 68° | 70° | 72.5° | 75° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 |
| 2.5° | 107.9 | 108.7 | 108.1 | 108.8 | 107.9 | 109.0 | 108.1 | 108.7 | 108.8 | 108.1 | 109.0 |
| 5° | 104.0 | 106.2 | 105.6 | 107.2 | 106.4 | 107.9 | 107.2 | 108.7 | 108.7 | 108.1 | 109.3 |
| 7.5° | 99.4 | 101.5 | 101.7 | 103.3 | 103.3 | 105.1 | 105.1 | 106.6 | 107.3 | 107.3 | 109.1 |
| 10° | 94.6 | 96.6 | 96.9 | 98.7 | 99.2 | 101.3 | 101.3 | 103.3 | 104.8 | 105.3 | 107.4 |
| 12.5° | 91.0 | 93.5 | 93.5 | 95.5 | 95.1 | 98.5 | 98.7 | 100.6 | 102.0 | 103.3 | 106.2 |
| 15° | 88.8 | 91.2 | 91.2 | 93.2 | 92.7 | 96.1 | 96.6 | 98.5 | 100.6 | 101.3 | 105.3 |
| 17.5° | 86.6 | 88.9 | 88.4 | 91.2 | 91.0 | 94.6 | 94.2 | 96.9 | 98.7 | 99.9 | 104.5 |
| 20° | 84.8 | 87.6 | 87.1 | 89.9 | 89.1 | 93.2 | 93.2 | 95.8 | 97.6 | 98.6 | 103.8 |
| 22.5° | 83.8 | 86.8 | 86.1 | 88.8 | 88.2 | 92.3 | 92.3 | 95.0 | 96.9 | 98.5 | 103.7 |
| 25° | 83.8 | 86.3 | 85.7 | 88.8 | 87.9 | 92.3 | 92.1 | 94.8 | 96.7 | 98.1 | 103.8 |
| 27.5° | 84.2 | 86.8 | 86.2 | 89.1 | 88.4 | 92.3 | 92.5 | 95.0 | 96.9 | 98.5 | 104.2 |
| 30° | 85.5 | 87.9 | 86.6 | 89.3 | 88.8 | 92.4 | 92.3 | 94.8 | 96.7 | 98.6 | 104.2 |
| 32.5° | 88.2 | 89.5 | 87.9 | 90.2 | 89.1 | 92.7 | 92.7 | 94.6 | 96.9 | 99.2 | 104.2 |
| 35° | 92.1 | 93.0 | 90.4 | 92.1 | 90.0 | 93.7 | 93.5 | 95.5 | 97.4 | 99.2 | 104.7 |
| 37.5° | 97.5 | 98.6 | 94.6 | 96.1 | 92.7 | 95.7 | 95.0 | 97.4 | 99.2 | 100.3 | 106.4 |
| 40° | 105.7 | 106.1 | 100.8 | 101.9 | 97.4 | 99.9 | 98.1 | 101.3 | 102.2 | 102.9 | 109.1 |
| 42.5° | 115.7 | 116.2 | 109.3 | 110.0 | 104.2 | 106.4 | 103.3 | 106.8 | 108.1 | 107.9 | 114.6 |
| 45° | 128.1 | 128.3 | 120.6 | 121.1 | 114.4 | 116.2 | 112.4 | 115.3 | 116.2 | 115.7 | 122.6 |
| 47.5° | 141.6 | 143.0 | 134.5 | 135.1 | 128.1 | 129.0 | 124.2 | 127.5 | 127.5 | 127.0 | 134.0 |
| 50° | 159.4 | 161.5 | 151.5 | 152.6 | 144.4 | 145.2 | 139.7 | 143.2 | 142.8 | 141.3 | 149.4 |
| 52.5° | 181.5 | 183.5 | 173.0 | 174.5 | 165.7 | 166.1 | 159.4 | 163.3 | 162.2 | 159.9 | 169.2 |
| 55° | 208.7 | 208.9 | 199.1 | 200.3 | 191.6 | 191.0 | 182.6 | 187.6 | 185.9 | 182.6 | 191.2 |
| 57.5° | 252.2 | 246.9 | 230.7 | 230.3 | 220.8 | 220.2 | 209.3 | 215.4 | 212.7 | 205.7 | 217.0 |
| 60° | 322.2 | 323.7 | 282.4 | 276.2 | 258.5 | 255.2 | 241.0 | 247.9 | 244.7 | 233.4 | 244.5 |
| 62.5° | 361.7 | 387.7 | 385.1 | 362.2 | 316.7 | 304.3 | 280.3 | 288.5 | 280.0 | 263.5 | 273.8 |
| 65° | 390.9 | 426.2 | 446.5 | 468.6 | 448.3 | 397.7 | 340.9 | 352.3 | 331.5 | 299.9 | 309.9 |
| 67.5° | 401.8 | 444.4 | 487.4 | 518.6 | 539.9 | 543.7 | 478.1 | 481.2 | 429.7 | 366.8 | 368.0 |
| 70° | 344.7 | 407.5 | 491.6 | 531.2 | 573.4 | 594.2 | 601.1 | 597.8 | 564.5 | 475.3 | 441.3 |
| 71° | 292.2 | 368.1 | 474.8 | 519.0 | 573.1 | 593.0 | 611.3 | 605.1 | 589.6 | 518.4 | 466.3 |
| 72.5° | 198.0 | 293.5 | 425.9 | 481.9 | 554.0 | 568.4 | 595.8 | 584.9 | 581.7 | 550.8 | 489.6 |
| 75° | 93.2 | 146.2 | 277.0 | 361.8 | 468.7 | 482.7 | 511.3 | 497.9 | 489.4 | 499.9 | 465.7 |
| 77.5° | 68.6 | 79.9 | 152.2 | 224.8 | 340.9 | 360.7 | 385.4 | 368.8 | 357.9 | 368.3 | 344.6 |
| 80° | 62.4 | 62.7 | 78.8 | 118.6 | 203.4 | 215.2 | 224.5 | 211.0 | 194.4 | 193.8 | 171.8 |
| 82.5° | 57.5 | 54.3 | 51.1 | 62.7 | 104.2 | 99.2 | 91.6 | 85.0 | 66.0 | 52.9 | 38.2 |
| 85° | 36.7 | 40.1 | 36.4 | 34.3 | 41.5 | 34.1 | 27.1 | 26.1 | 18.3 | 12.4 | 11.5 |
| 87.5° | 2.5 | 3.0 | 3.4 | 4.0 | 4.9 | 4.0 | 2.5 | 3.1 | 1.9 | 0.0 | 0.9 |
| 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° | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 |
| 2.5° | 107.7 | 108.7 | 109.0 | 108.8 | 108.4 | 108.1 | 106.8 | 107.7 | 106.4 | 107.3 | 106.2 |
| 5° | 108.2 | 109.5 | 109.8 | 109.3 | 109.0 | 108.2 | 106.1 | 107.3 | 105.9 | 106.6 | 104.9 |
| 7.5° | 108.1 | 110.0 | 110.2 | 110.0 | 109.1 | 107.9 | 105.7 | 106.6 | 104.2 | 104.8 | 102.6 |
| 10° | 107.2 | 110.0 | 110.2 | 109.3 | 108.2 | 106.2 | 103.7 | 104.0 | 101.7 | 101.7 | 98.7 |
| 12.5° | 106.2 | 109.8 | 110.6 | 109.3 | 107.4 | 104.8 | 101.9 | 101.5 | 98.7 | 98.6 | 95.3 |
| 15° | 106.2 | 110.0 | 111.3 | 109.8 | 107.0 | 103.1 | 99.7 | 98.9 | 95.8 | 95.0 | 91.3 |
| 17.5° | 106.1 | 110.0 | 111.9 | 109.8 | 106.4 | 101.5 | 97.2 | 96.4 | 92.4 | 91.0 | 86.8 |
| 20° | 105.9 | 110.4 | 112.3 | 109.3 | 104.8 | 99.5 | 94.6 | 93.2 | 88.8 | 86.3 | 81.5 |
| 22.5° | 105.7 | 111.1 | 112.6 | 109.0 | 103.7 | 96.9 | 91.9 | 89.3 | 84.2 | 81.2 | 75.3 |
| 25° | 106.6 | 112.1 | 112.7 | 108.7 | 102.0 | 94.2 | 88.8 | 85.2 | 79.7 | 75.6 | 68.8 |
| 27.5° | 107.0 | 113.0 | 113.2 | 107.9 | 100.0 | 91.3 | 85.5 | 80.8 | 74.4 | 69.5 | 61.6 |
| 30° | 108.1 | 113.2 | 112.6 | 106.4 | 97.6 | 87.7 | 81.7 | 75.9 | 68.8 | 62.4 | 53.1 |
| 32.5° | 108.4 | 113.6 | 112.3 | 104.8 | 95.3 | 84.0 | 77.3 | 70.6 | 62.1 | 54.5 | 43.3 |
| 35° | 109.1 | 114.1 | 111.9 | 103.8 | 92.7 | 80.2 | 72.8 | 65.1 | 55.2 | 45.8 | 32.9 |
| 37.5° | 110.2 | 115.7 | 112.7 | 103.6 | 91.4 | 77.0 | 67.7 | 59.5 | 47.3 | 36.2 | 21.8 |
| 40° | 113.0 | 118.9 | 114.4 | 104.0 | 90.5 | 74.2 | 62.7 | 53.7 | 38.2 | 26.7 | 15.1 |
| 42.5° | 118.5 | 124.7 | 118.6 | 106.8 | 91.2 | 71.9 | 57.7 | 47.5 | 28.9 | 19.1 | 12.6 |
| 45° | 126.6 | 131.9 | 125.5 | 111.3 | 93.3 | 70.6 | 52.9 | 41.1 | 20.8 | 15.3 | 11.5 |
| 47.5° | 138.6 | 143.7 | 135.7 | 118.6 | 97.2 | 70.1 | 48.0 | 34.3 | 16.0 | 13.8 | 11.0 |
| 50° | 154.5 | 160.4 | 150.5 | 130.1 | 104.2 | 70.6 | 42.8 | 27.9 | 14.0 | 13.5 | 10.9 |
| 52.5° | 173.9 | 179.8 | 169.7 | 147.1 | 115.9 | 73.8 | 37.1 | 24.3 | 13.3 | 13.3 | 10.7 |
| 55° | 195.9 | 204.2 | 194.3 | 170.5 | 133.8 | 80.4 | 33.7 | 23.1 | 13.3 | 13.5 | 10.6 |
| 57.5° | 221.9 | 228.9 | 220.2 | 193.0 | 155.6 | 91.4 | 34.0 | 24.3 | 13.3 | 13.5 | 10.4 |
| 60° | 247.4 | 255.9 | 246.0 | 221.7 | 180.3 | 108.2 | 41.5 | 30.9 | 13.8 | 14.0 | 10.4 |
| 62.5° | 273.9 | 280.5 | 272.4 | 246.9 | 208.2 | 129.0 | 56.4 | 44.7 | 16.0 | 16.6 | 11.0 |
| 65° | 303.1 | 313.8 | 305.2 | 284.3 | 247.9 | 162.1 | 84.8 | 67.1 | 23.6 | 19.2 | 12.1 |
| 67.5° | 353.4 | 357.9 | 353.7 | 334.6 | 294.4 | 189.4 | 101.0 | 68.2 | 23.6 | 18.8 | 13.7 |
| 70° | 421.7 | 411.9 | 393.1 | 357.4 | 299.2 | 169.9 | 72.4 | 41.6 | 20.2 | 17.9 | 14.4 |
| 71° | 437.6 | 422.5 | 394.7 | 351.9 | 289.1 | 153.4 | 56.2 | 32.9 | 19.0 | 17.4 | 14.4 |
| 72.5° | 447.2 | 424.6 | 382.8 | 335.2 | 269.0 | 120.8 | 37.1 | 25.8 | 17.2 | 16.6 | 13.8 |
| 75° | 434.6 | 393.0 | 338.0 | 290.2 | 220.4 | 62.7 | 23.3 | 19.7 | 14.7 | 14.4 | 11.9 |
| 77.5° | 345.1 | 308.6 | 249.4 | 210.8 | 141.8 | 27.8 | 16.8 | 14.9 | 11.7 | 11.3 | 9.3 |
| 80° | 161.0 | 129.2 | 75.6 | 64.9 | 44.6 | 16.3 | 11.5 | 10.2 | 8.4 | 8.1 | 6.6 |
| 82.5° | 29.3 | 22.0 | 17.1 | 16.6 | 14.9 | 9.6 | 6.7 | 6.2 | 5.3 | 5.1 | 4.2 |
| 85° | 10.0 | 9.6 | 7.3 | 7.3 | 7.5 | 5.1 | 3.9 | 3.6 | 2.8 | 2.8 | 1.9 |
| 87.5° | 0.2 | 0.9 | 0.9 | 1.3 | 1.1 | 0.9 | 0.4 | 0.6 | 0.2 | 0.6 | 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-XXX-LED-E1-SL2-7027-XXB

CANDELA DISTRIBUTION (continued):

| | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° |
|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 |
| 2.5° | 107.2 | 105.7 | 107.0 | 105.7 | 106.4 | 104.9 | 105.9 | 105.3 | 105.3 | 104.8 | 104.5 |
| 5° | 105.6 | 103.7 | 104.7 | 103.1 | 103.8 | 101.7 | 102.2 | 101.3 | 99.5 | 98.5 | 96.9 |
| 7.5° | 103.1 | 100.4 | 101.1 | 98.9 | 99.5 | 96.6 | 97.2 | 95.5 | 92.1 | 89.9 | 87.7 |
| 10° | 98.9 | 96.4 | 96.6 | 93.9 | 93.7 | 90.8 | 90.2 | 88.0 | 82.9 | 79.3 | 76.4 |
| 12.5° | 94.8 | 91.9 | 91.4 | 88.2 | 87.7 | 84.2 | 83.5 | 80.1 | 72.7 | 65.5 | 60.9 |
| 15° | 90.4 | 86.8 | 85.7 | 82.3 | 80.2 | 77.3 | 75.3 | 70.2 | 59.5 | 50.2 | 44.2 |
| 17.5° | 85.5 | 80.8 | 79.1 | 75.1 | 72.2 | 67.8 | 64.9 | 58.0 | 44.2 | 34.1 | 30.0 |
| 20° | 79.1 | 74.0 | 71.1 | 66.0 | 62.3 | 57.0 | 53.3 | 44.4 | 29.5 | 24.3 | 23.9 |
| 22.5° | 72.0 | 66.0 | 62.4 | 56.1 | 51.3 | 45.6 | 39.9 | 30.0 | 20.9 | 19.9 | 20.5 |
| 25° | 64.6 | 57.1 | 52.4 | 44.6 | 38.2 | 31.7 | 26.2 | 20.0 | 17.1 | 16.9 | 18.0 |
| 27.5° | 55.7 | 47.1 | 40.3 | 31.1 | 25.3 | 20.2 | 17.9 | 15.8 | 14.6 | 14.7 | 15.8 |
| 30° | 45.8 | 34.8 | 27.7 | 19.4 | 16.9 | 14.7 | 14.4 | 13.7 | 13.0 | 13.5 | 14.2 |
| 32.5° | 34.1 | 22.2 | 17.9 | 14.0 | 13.8 | 12.6 | 12.9 | 12.6 | 12.4 | 12.6 | 13.0 |
| 35° | 23.1 | 14.7 | 14.0 | 11.9 | 12.4 | 11.5 | 11.9 | 11.8 | 11.7 | 11.7 | 11.9 |
| 37.5° | 16.0 | 12.1 | 12.6 | 11.0 | 11.7 | 10.9 | 11.5 | 11.3 | 11.0 | 10.9 | 11.0 |
| 40° | 13.3 | 11.0 | 11.7 | 10.6 | 11.0 | 10.4 | 10.9 | 10.7 | 10.6 | 10.2 | 10.2 |
| 42.5° | 12.1 | 10.6 | 11.0 | 10.0 | 10.7 | 9.8 | 10.6 | 10.2 | 9.8 | 9.4 | 9.6 |
| 45° | 11.8 | 10.2 | 10.7 | 9.6 | 10.4 | 9.4 | 10.0 | 9.8 | 9.2 | 8.9 | 9.2 |
| 47.5° | 11.5 | 10.0 | 10.6 | 9.4 | 10.0 | 9.2 | 9.6 | 9.3 | 8.5 | 8.4 | 8.5 |
| 50° | 11.3 | 9.6 | 10.2 | 9.2 | 9.6 | 8.9 | 9.3 | 8.9 | 8.2 | 8.1 | 8.1 |
| 52.5° | 11.0 | 9.4 | 10.0 | 8.7 | 9.3 | 8.2 | 8.7 | 8.4 | 7.6 | 7.5 | 7.5 |
| 55° | 11.0 | 9.3 | 9.6 | 8.4 | 8.9 | 7.8 | 8.2 | 7.8 | 7.5 | 7.1 | 7.1 |
| 57.5° | 10.9 | 8.9 | 9.4 | 8.1 | 8.4 | 7.5 | 7.8 | 7.5 | 6.8 | 6.7 | 6.7 |
| 60° | 10.9 | 8.7 | 9.3 | 7.8 | 8.2 | 7.1 | 7.5 | 7.1 | 6.6 | 6.4 | 6.4 |
| 62.5° | 11.5 | 9.2 | 9.4 | 8.1 | 8.2 | 7.1 | 7.3 | 6.7 | 6.2 | 6.2 | 6.0 |
| 65° | 12.6 | 10.2 | 10.2 | 8.4 | 8.4 | 7.1 | 7.3 | 6.6 | 5.7 | 5.7 | 5.7 |
| 67.5° | 13.7 | 11.3 | 11.0 | 8.9 | 8.7 | 7.1 | 7.1 | 6.2 | 5.5 | 5.5 | 5.5 |
| 70° | 14.4 | 11.8 | 11.5 | 9.2 | 8.7 | 6.8 | 6.7 | 5.7 | 5.1 | 5.1 | 5.1 |
| 71° | 14.2 | 11.8 | 11.3 | 8.9 | 8.4 | 6.6 | 6.6 | 5.6 | 4.9 | 4.9 | 4.7 |
| 72.5° | 13.5 | 11.0 | 10.6 | 8.4 | 8.1 | 6.2 | 6.2 | 5.3 | 4.5 | 4.5 | 4.3 |
| 75° | 11.5 | 9.4 | 8.9 | 7.1 | 6.7 | 5.5 | 5.3 | 4.3 | 4.0 | 3.9 | 3.9 |
| 77.5° | 8.9 | 7.5 | 6.8 | 5.6 | 5.5 | 4.3 | 4.2 | 3.6 | 3.2 | 3.2 | 3.1 |
| 80° | 6.4 | 5.3 | 4.9 | 3.9 | 3.4 | 3.0 | 3.1 | 2.8 | 2.5 | 2.5 | 2.3 |
| 82.5° | 3.9 | 2.8 | 2.8 | 2.2 | 2.3 | 1.9 | 2.0 | 2.0 | 1.9 | 1.4 | 1.4 |
| 85° | 2.0 | 1.3 | 1.7 | 0.9 | 1.3 | 0.6 | 0.9 | 0.7 | 0.7 | 0.6 | 0.6 |
| 87.5° | 0.4 | 0.0 | 0.2 | 0.0 | 0.2 | 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):

| | 175° | 180° |
|-------|-------|-------|
| 0° | 108.7 | 108.7 |
| 2.5° | 103.3 | 103.6 |
| 5° | 96.3 | 96.6 |
| 7.5° | 86.1 | 86.6 |
| 10° | 73.9 | 74.2 |
| 12.5° | 58.2 | 58.2 |
| 15° | 40.7 | 41.1 |
| 17.5° | 28.6 | 28.7 |
| 20° | 24.1 | 24.3 |
| 22.5° | 21.5 | 21.6 |
| 25° | 19.1 | 19.2 |
| 27.5° | 16.6 | 16.8 |
| 30° | 14.9 | 15.1 |
| 32.5° | 13.5 | 13.7 |
| 35° | 12.1 | 12.1 |
| 37.5° | 11.3 | 11.3 |
| 40° | 10.4 | 10.4 |
| 42.5° | 9.8 | 9.8 |
| 45° | 9.3 | 9.3 |
| 47.5° | 8.7 | 8.7 |
| 50° | 8.2 | 8.4 |
| 52.5° | 7.6 | 7.6 |
| 55° | 7.1 | 7.1 |
| 57.5° | 6.6 | 6.7 |
| 60° | 6.2 | 6.2 |
| 62.5° | 5.7 | 5.7 |
| 65° | 5.6 | 5.6 |
| 67.5° | 5.3 | 5.3 |
| 70° | 4.9 | 4.9 |
| 71° | 4.7 | 4.7 |
| 72.5° | 4.3 | 4.3 |
| 75° | 3.9 | 3.6 |
| 77.5° | 3.1 | 3.1 |
| 80° | 2.3 | 2.2 |
| 82.5° | 1.4 | 1.3 |
| 85° | 0.6 | 0.4 |
| 87.5° | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)