

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: CORELITE

Report Number: P395670

Luminaire Tested: **I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2201.7 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

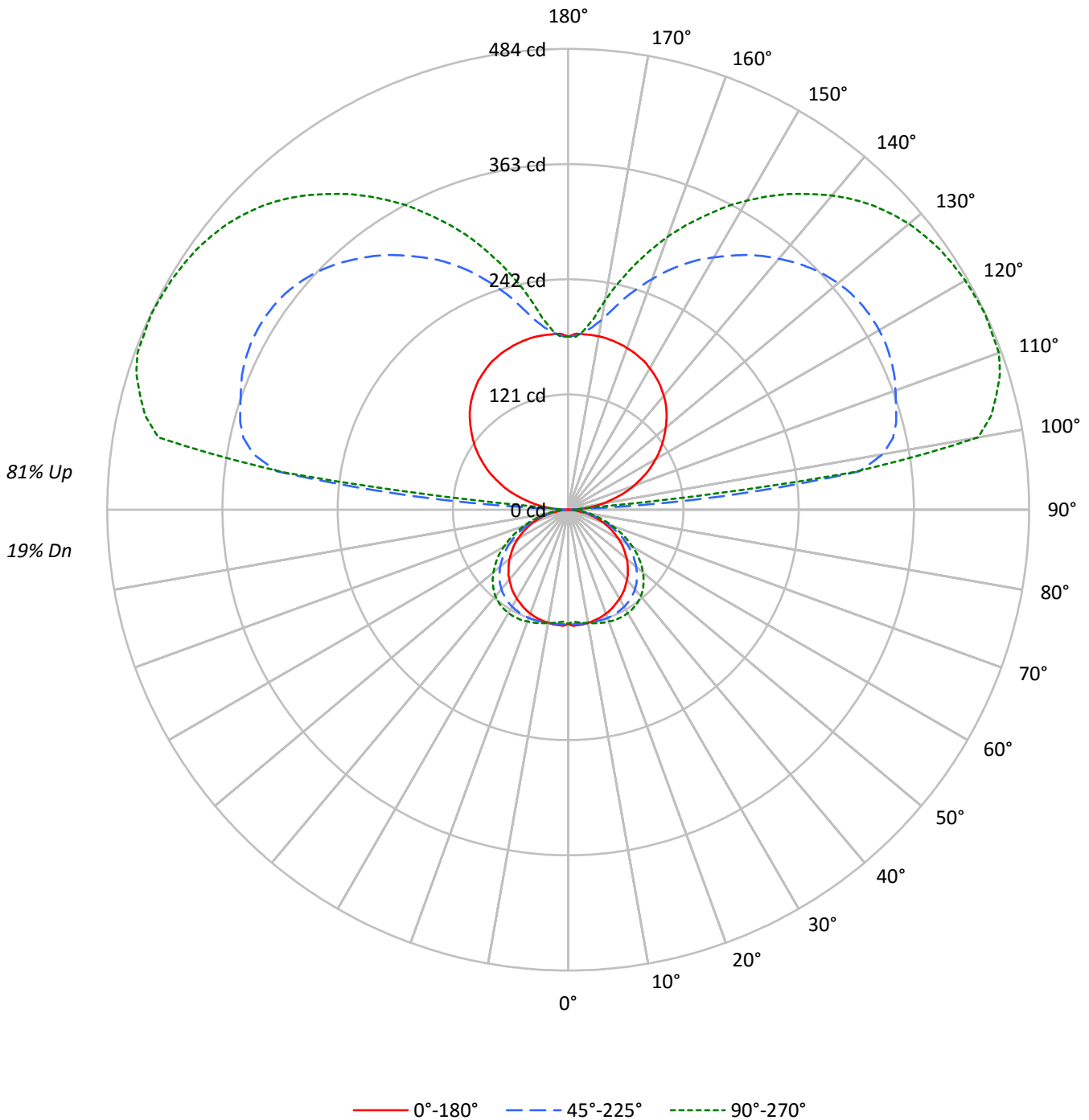
Input Watts (W): 16.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 46 | 46 | 46 | 28 | 28 | 28 | 19 |
| 1 | 91 | 87 | 83 | 79 | 80 | 76 | 73 | 71 | 58 | 56 | 54 | 40 | 39 | 38 | 24 | 24 | 23 | 16 |
| 2 | 82 | 75 | 69 | 64 | 72 | 67 | 62 | 58 | 50 | 47 | 44 | 35 | 33 | 31 | 21 | 20 | 19 | 13 |
| 3 | 75 | 66 | 59 | 53 | 66 | 58 | 52 | 48 | 44 | 40 | 37 | 31 | 28 | 26 | 19 | 17 | 16 | 11 |
| 4 | 68 | 58 | 51 | 45 | 60 | 51 | 45 | 40 | 39 | 35 | 31 | 27 | 24 | 22 | 16 | 15 | 14 | 9 |
| 5 | 63 | 51 | 44 | 38 | 55 | 46 | 39 | 34 | 35 | 30 | 26 | 24 | 21 | 19 | 15 | 13 | 12 | 8 |
| 6 | 57 | 46 | 38 | 33 | 50 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 16 | 13 | 12 | 10 | 7 |
| 7 | 53 | 41 | 34 | 28 | 46 | 37 | 30 | 25 | 28 | 23 | 20 | 20 | 17 | 14 | 12 | 10 | 9 | 6 |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9 | 8 | 5 |
| 9 | 45 | 34 | 26 | 22 | 40 | 30 | 24 | 20 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 8 | 7 | 5 |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 6 | 4 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-----|-----|-----|
| 0° | 659 | 659 | 659 |
| 5° | 668 | 650 | 637 |
| 10° | 668 | 645 | 638 |
| 15° | 668 | 643 | 644 |
| 20° | 669 | 645 | 651 |
| 25° | 668 | 647 | 661 |
| 30° | 669 | 648 | 667 |
| 35° | 669 | 644 | 670 |
| 40° | 665 | 640 | 666 |
| 45° | 659 | 626 | 652 |
| 50° | 654 | 606 | 628 |
| 55° | 642 | 577 | 592 |
| 60° | 622 | 535 | 544 |
| 65° | 595 | 476 | 485 |
| 70° | 563 | 413 | 409 |
| 75° | 487 | 324 | 328 |
| 80° | 388 | 232 | 238 |
| 85° | 229 | 136 | 156 |



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.5 | 0.5 |
| 10°-20° | 34.2 | 1.6 |
| 20°-30° | 55.0 | 2.5 |
| 30°-40° | 70.8 | 3.2 |
| 40°-50° | 77.8 | 3.5 |
| 50°-60° | 73.1 | 3.3 |
| 60°-70° | 56.8 | 2.6 |
| 70°-80° | 32.6 | 1.5 |
| 80°-90° | 10.4 | 0.5 |
| 90°-100° | 140.7 | 6.4 |
| 100°-110° | 334.5 | 15.2 |
| 110°-120° | 336.0 | 15.3 |
| 120°-130° | 308.1 | 14.0 |
| 130°-140° | 257.6 | 11.7 |
| 140°-150° | 193.4 | 8.8 |
| 150°-160° | 125.9 | 5.7 |
| 160°-170° | 64.8 | 2.9 |
| 170°-180° | 18.3 | 0.8 |
| 0°-30° | 100.7 | 4.6 |
| 0°-40° | 171.6 | 7.8 |
| 0°-60° | 322.5 | 14.6 |
| 0°-90° | 422.3 | 19.2 |
| 90°-120° | 811.2 | 36.8 |
| 90°-150° | 1570.3 | 71.3 |
| 90°-180° | 1779.0 | 80.8 |
| 0°-180° | 2201.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 120 | 120 | 120 | 120 | 120 | |
| 5° | 122 | 120 | 120 | 120 | 119 | 12 |
| 15° | 119 | 118 | 121 | 123 | 123 | 34 |
| 25° | 112 | 113 | 120 | 124 | 126 | 52 |
| 35° | 103 | 105 | 114 | 121 | 123 | 64 |
| 45° | 88 | 93 | 102 | 110 | 112 | 68 |
| 55° | 71 | 75 | 83 | 89 | 91 | 63 |
| 65° | 50 | 53 | 58 | 62 | 64 | 49 |
| 75° | 27 | 28 | 30 | 34 | 35 | 28 |
| 85° | 5 | 6 | 9 | 11 | 12 | 6 |
| 90° | 0 | 2 | 3 | 5 | 5 | 2 |
| 95° | 19 | 157 | 162 | 22 | 18 | 19 |
| 105° | 55 | 211 | 356 | 440 | 466 | 58 |
| 115° | 91 | 238 | 374 | 455 | 484 | 89 |
| 125° | 120 | 248 | 376 | 450 | 476 | 108 |
| 135° | 146 | 247 | 359 | 427 | 452 | 112 |
| 145° | 165 | 237 | 327 | 384 | 405 | 103 |
| 155° | 177 | 217 | 284 | 325 | 341 | 82 |
| 165° | 183 | 196 | 230 | 255 | 265 | 52 |
| 175° | 185 | 184 | 187 | 189 | 189 | 18 |
| 180° | 182 | 182 | 182 | 182 | 182 | |



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 |
| 2.5° | 122.1 | 121.5 | 121.0 | 121.0 | 120.5 | 120.5 | 120.5 | 119.9 | 119.9 | 119.9 | 120.5 |
| 5° | 121.5 | 121.5 | 121.0 | 120.5 | 120.5 | 120.5 | 119.9 | 119.9 | 119.9 | 119.9 | 120.5 |
| 7.5° | 121.5 | 121.0 | 120.5 | 120.5 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 120.5 |
| 10° | 120.5 | 120.5 | 119.9 | 119.9 | 119.4 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 121.0 |
| 12.5° | 119.9 | 119.9 | 119.4 | 118.8 | 118.8 | 118.8 | 119.4 | 119.4 | 119.4 | 119.9 | 121.0 |
| 15° | 118.8 | 118.8 | 118.3 | 118.3 | 118.3 | 118.3 | 118.8 | 118.8 | 119.4 | 119.9 | 121.0 |
| 17.5° | 117.7 | 117.7 | 117.2 | 117.2 | 117.2 | 117.7 | 117.7 | 118.3 | 118.8 | 119.9 | 121.0 |
| 20° | 116.1 | 116.1 | 116.1 | 116.1 | 116.1 | 116.7 | 116.7 | 117.2 | 118.3 | 119.4 | 121.0 |
| 22.5° | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 115.0 | 115.6 | 116.7 | 117.2 | 118.8 | 120.5 |
| 25° | 112.3 | 112.3 | 112.3 | 112.3 | 112.9 | 113.4 | 113.9 | 115.0 | 116.1 | 117.7 | 119.9 |
| 27.5° | 110.1 | 110.7 | 110.7 | 110.7 | 111.2 | 111.8 | 112.3 | 113.4 | 115.0 | 117.2 | 118.8 |
| 30° | 108.0 | 108.0 | 108.0 | 108.5 | 109.1 | 109.6 | 110.7 | 111.8 | 113.4 | 115.6 | 117.7 |
| 32.5° | 105.3 | 105.3 | 105.8 | 105.8 | 106.9 | 107.4 | 108.5 | 110.1 | 111.8 | 113.9 | 116.1 |
| 35° | 102.6 | 102.6 | 102.6 | 103.6 | 104.2 | 105.3 | 105.8 | 107.4 | 109.6 | 111.8 | 113.9 |
| 37.5° | 99.3 | 99.8 | 99.8 | 100.4 | 101.5 | 102.6 | 103.1 | 105.3 | 107.4 | 109.6 | 111.8 |
| 40° | 96.0 | 96.6 | 96.6 | 97.1 | 98.8 | 99.3 | 100.4 | 102.6 | 104.2 | 106.9 | 109.1 |
| 42.5° | 92.8 | 92.8 | 93.3 | 93.9 | 95.5 | 96.0 | 97.1 | 99.3 | 101.5 | 103.6 | 105.8 |
| 45° | 88.4 | 89.0 | 89.5 | 90.1 | 91.7 | 92.8 | 93.9 | 95.5 | 97.7 | 99.8 | 102.0 |
| 47.5° | 84.6 | 84.6 | 85.2 | 86.3 | 87.9 | 89.0 | 89.5 | 91.7 | 93.3 | 95.5 | 97.7 |
| 50° | 80.3 | 80.8 | 80.8 | 81.9 | 83.6 | 84.6 | 85.2 | 87.4 | 89.0 | 91.2 | 93.3 |
| 52.5° | 75.4 | 76.0 | 76.5 | 77.6 | 79.2 | 80.3 | 80.8 | 82.5 | 84.1 | 86.3 | 87.9 |
| 55° | 71.1 | 71.6 | 71.6 | 72.7 | 74.3 | 74.9 | 76.0 | 77.0 | 79.2 | 80.8 | 83.0 |
| 57.5° | 66.2 | 66.7 | 66.7 | 67.8 | 68.9 | 70.0 | 70.5 | 72.2 | 73.8 | 75.4 | 77.0 |
| 60° | 60.8 | 61.3 | 61.9 | 62.4 | 63.5 | 64.6 | 65.1 | 66.2 | 67.8 | 69.5 | 71.1 |
| 62.5° | 55.3 | 55.9 | 56.4 | 57.0 | 58.1 | 58.6 | 59.1 | 60.8 | 61.9 | 63.5 | 64.6 |
| 65° | 49.9 | 50.5 | 51.0 | 51.5 | 52.1 | 52.6 | 53.2 | 54.3 | 55.3 | 57.0 | 57.5 |
| 67.5° | 44.5 | 45.0 | 45.0 | 45.6 | 46.1 | 46.7 | 47.2 | 48.3 | 48.8 | 50.5 | 51.0 |
| 70° | 39.1 | 39.1 | 39.1 | 39.6 | 39.6 | 40.2 | 40.7 | 41.8 | 42.3 | 43.4 | 44.5 |
| 72.5° | 32.6 | 33.1 | 33.1 | 33.1 | 33.6 | 34.2 | 34.7 | 35.3 | 35.8 | 36.4 | 37.4 |
| 75° | 26.6 | 27.1 | 26.6 | 27.1 | 27.7 | 27.7 | 28.2 | 28.8 | 29.3 | 29.8 | 30.4 |
| 77.5° | 21.2 | 20.6 | 21.2 | 21.2 | 21.7 | 21.7 | 21.7 | 22.2 | 23.3 | 23.3 | 24.4 |
| 80° | 15.2 | 15.2 | 15.2 | 15.2 | 15.7 | 15.7 | 16.3 | 16.3 | 17.4 | 17.9 | 18.4 |
| 82.5° | 9.8 | 9.8 | 10.3 | 10.3 | 10.3 | 10.9 | 10.9 | 11.4 | 11.9 | 12.5 | 13.0 |
| 85° | 5.4 | 5.4 | 5.4 | 6.0 | 6.0 | 6.5 | 6.5 | 7.1 | 7.6 | 8.1 | 8.7 |
| 87.5° | 1.6 | 2.2 | 2.7 | 2.7 | 3.3 | 3.3 | 3.8 | 3.8 | 4.9 | 5.4 | 6.0 |
| 90° | 0.5 | 0.5 | 1.1 | 1.1 | 1.1 | 1.6 | 1.6 | 2.2 | 2.2 | 2.7 | 3.3 |
| 92.5° | 9.2 | 21.7 | 45.0 | 67.3 | 58.1 | 54.3 | 32.6 | 9.8 | 8.7 | 9.2 | 9.2 |
| 95° | 19.0 | 35.8 | 65.7 | 106.3 | 137.8 | 157.4 | 170.4 | 195.3 | 220.8 | 216.5 | 161.7 |
| 97.5° | 27.7 | 46.1 | 79.2 | 116.7 | 160.1 | 182.3 | 199.1 | 229.0 | 261.5 | 288.7 | 308.2 |
| 100° | 36.4 | 55.3 | 90.6 | 129.7 | 169.8 | 189.9 | 209.4 | 250.1 | 282.1 | 309.3 | 335.3 |
| 102.5° | 45.6 | 64.6 | 100.9 | 141.6 | 181.2 | 200.8 | 219.8 | 255.6 | 291.4 | 323.9 | 349.4 |
| 105° | 54.8 | 74.3 | 110.1 | 151.9 | 191.5 | 211.1 | 229.5 | 263.7 | 296.8 | 327.2 | 356.5 |
| 107.5° | 64.6 | 83.0 | 118.3 | 160.1 | 199.7 | 219.2 | 237.7 | 271.8 | 303.9 | 334.2 | 360.8 |
| 110° | 73.3 | 91.2 | 126.4 | 167.7 | 207.3 | 226.8 | 245.3 | 279.4 | 310.9 | 339.7 | 365.7 |



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 81.4 | 98.8 | 134.0 | 174.2 | 213.2 | 232.8 | 250.7 | 284.9 | 316.3 | 344.5 | 370.6 |
| 115° | 90.6 | 105.8 | 141.6 | 180.1 | 218.7 | 237.7 | 255.6 | 289.2 | 320.7 | 348.3 | 373.8 |
| 117.5° | 98.2 | 112.9 | 148.1 | 185.0 | 223.0 | 241.5 | 258.8 | 292.5 | 323.4 | 351.1 | 376.0 |
| 120° | 105.8 | 119.4 | 154.1 | 189.4 | 226.3 | 244.2 | 261.5 | 294.6 | 325.6 | 352.7 | 377.1 |
| 122.5° | 113.4 | 125.9 | 159.0 | 193.7 | 229.0 | 246.9 | 263.7 | 296.3 | 326.6 | 353.2 | 377.1 |
| 125° | 120.5 | 131.3 | 163.3 | 197.0 | 230.6 | 248.0 | 264.2 | 296.3 | 326.1 | 352.1 | 376.0 |
| 127.5° | 127.0 | 137.3 | 166.6 | 200.2 | 231.7 | 248.5 | 264.2 | 295.2 | 325.0 | 350.5 | 373.8 |
| 130° | 133.5 | 142.7 | 169.8 | 201.8 | 232.8 | 248.0 | 263.2 | 293.0 | 322.3 | 347.8 | 370.0 |
| 132.5° | 140.0 | 148.7 | 172.5 | 203.5 | 233.3 | 248.0 | 262.1 | 290.8 | 319.0 | 344.0 | 365.2 |
| 135° | 146.0 | 153.0 | 175.3 | 204.6 | 232.8 | 246.9 | 259.9 | 287.0 | 314.2 | 338.6 | 359.2 |
| 137.5° | 151.4 | 157.4 | 177.4 | 205.1 | 232.2 | 245.3 | 258.3 | 282.7 | 308.2 | 332.1 | 352.1 |
| 140° | 156.3 | 161.7 | 178.5 | 205.1 | 230.1 | 243.1 | 255.0 | 278.4 | 301.7 | 324.5 | 344.0 |
| 142.5° | 160.6 | 165.5 | 180.1 | 204.0 | 227.9 | 240.4 | 251.8 | 274.0 | 295.2 | 316.9 | 335.9 |
| 145° | 164.9 | 168.7 | 181.2 | 203.5 | 225.2 | 236.6 | 247.4 | 268.6 | 289.2 | 308.7 | 326.6 |
| 147.5° | 168.2 | 172.0 | 182.3 | 201.3 | 221.9 | 232.2 | 242.5 | 262.6 | 281.6 | 300.1 | 316.3 |
| 150° | 171.5 | 174.7 | 182.9 | 199.1 | 218.1 | 227.3 | 236.6 | 255.6 | 274.0 | 290.8 | 306.0 |
| 152.5° | 174.7 | 176.9 | 184.5 | 197.0 | 213.8 | 222.5 | 231.7 | 248.5 | 265.3 | 281.1 | 295.7 |
| 155° | 176.9 | 178.5 | 185.0 | 194.8 | 209.4 | 217.0 | 224.6 | 240.4 | 255.6 | 270.2 | 283.8 |
| 157.5° | 179.1 | 180.7 | 185.6 | 193.2 | 204.6 | 211.6 | 218.1 | 231.7 | 245.8 | 258.8 | 271.3 |
| 160° | 180.7 | 181.8 | 185.6 | 192.1 | 200.2 | 205.1 | 211.1 | 223.5 | 235.5 | 246.9 | 257.7 |
| 162.5° | 182.3 | 182.9 | 185.6 | 190.5 | 196.4 | 199.7 | 204.0 | 213.8 | 224.6 | 234.4 | 244.2 |
| 165° | 183.4 | 183.9 | 185.6 | 189.4 | 193.2 | 195.9 | 198.0 | 205.1 | 213.2 | 221.9 | 230.1 |
| 167.5° | 184.5 | 184.5 | 185.6 | 188.3 | 190.5 | 192.1 | 193.7 | 197.5 | 202.9 | 209.4 | 215.4 |
| 170° | 185.0 | 185.0 | 185.6 | 187.2 | 188.8 | 189.4 | 190.5 | 192.6 | 195.3 | 198.6 | 202.4 |
| 172.5° | 185.0 | 185.0 | 185.0 | 186.1 | 186.7 | 186.7 | 186.7 | 187.7 | 189.4 | 191.5 | 193.2 |
| 175° | 185.0 | 184.5 | 184.5 | 185.0 | 184.5 | 184.5 | 184.5 | 184.5 | 185.0 | 186.1 | 186.7 |
| 177.5° | 185.0 | 184.5 | 183.9 | 183.9 | 183.4 | 183.4 | 182.9 | 182.9 | 182.9 | 182.9 | 182.9 |
| 180° | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 |



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 | 119.9 |
| 2.5° | 120.5 | 120.5 | 119.9 | 119.4 | 119.4 | 119.4 | 118.8 | 118.3 | 117.7 | 117.7 |
| 5° | 120.5 | 120.5 | 119.9 | 119.9 | 119.9 | 119.9 | 119.4 | 119.4 | 118.8 | 118.8 |
| 7.5° | 121.0 | 120.5 | 120.5 | 120.5 | 120.5 | 120.5 | 120.5 | 120.5 | 119.9 | 119.9 |
| 10° | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 |
| 12.5° | 121.5 | 121.5 | 121.5 | 121.5 | 122.1 | 122.1 | 122.1 | 122.1 | 122.1 | 122.1 |
| 15° | 121.5 | 122.1 | 122.6 | 122.6 | 122.6 | 123.2 | 123.2 | 123.2 | 123.2 | 123.2 |
| 17.5° | 122.1 | 122.6 | 123.2 | 123.2 | 123.7 | 123.7 | 124.3 | 124.3 | 124.3 | 124.3 |
| 20° | 122.1 | 122.6 | 123.2 | 123.7 | 124.3 | 124.3 | 124.8 | 125.3 | 125.3 | 124.8 |
| 22.5° | 121.5 | 122.6 | 123.2 | 123.7 | 124.3 | 124.8 | 125.3 | 125.9 | 125.9 | 125.9 |
| 25° | 121.0 | 122.1 | 123.2 | 124.3 | 124.3 | 124.8 | 125.9 | 125.9 | 125.9 | 125.9 |
| 27.5° | 120.5 | 121.5 | 122.6 | 123.7 | 124.3 | 124.8 | 125.3 | 125.9 | 125.9 | 125.9 |
| 30° | 119.4 | 121.0 | 122.1 | 123.2 | 123.7 | 124.3 | 124.8 | 125.3 | 125.3 | 125.3 |
| 32.5° | 117.7 | 119.4 | 120.5 | 122.1 | 122.6 | 123.2 | 123.7 | 124.3 | 124.3 | 124.3 |
| 35° | 116.1 | 117.7 | 118.8 | 120.5 | 121.0 | 121.5 | 122.6 | 122.6 | 123.2 | 123.2 |
| 37.5° | 113.4 | 115.6 | 116.7 | 118.3 | 118.8 | 119.4 | 120.5 | 121.0 | 121.0 | 121.0 |
| 40° | 110.7 | 112.9 | 113.9 | 115.6 | 116.1 | 116.7 | 117.7 | 118.3 | 118.8 | 118.8 |
| 42.5° | 107.4 | 109.6 | 110.7 | 112.3 | 112.9 | 113.4 | 114.5 | 115.0 | 115.6 | 115.6 |
| 45° | 104.2 | 105.8 | 106.9 | 108.5 | 109.6 | 109.6 | 110.7 | 111.2 | 111.8 | 111.8 |
| 47.5° | 99.8 | 101.5 | 102.6 | 104.2 | 105.3 | 105.8 | 106.3 | 106.9 | 107.4 | 107.4 |
| 50° | 95.0 | 96.6 | 98.2 | 99.3 | 100.4 | 100.4 | 101.5 | 102.0 | 102.6 | 102.6 |
| 52.5° | 90.1 | 91.2 | 92.8 | 94.4 | 95.0 | 95.5 | 96.0 | 96.6 | 97.1 | 97.1 |
| 55° | 84.6 | 85.7 | 87.4 | 88.4 | 89.0 | 89.5 | 90.1 | 90.6 | 91.2 | 91.2 |
| 57.5° | 78.7 | 79.8 | 81.4 | 82.5 | 83.0 | 83.6 | 84.1 | 84.6 | 85.2 | 85.2 |
| 60° | 72.2 | 73.3 | 74.9 | 76.0 | 76.5 | 76.5 | 77.6 | 78.1 | 78.1 | 78.1 |
| 62.5° | 65.7 | 66.7 | 67.8 | 68.9 | 69.5 | 70.0 | 70.5 | 71.1 | 71.1 | 71.1 |
| 65° | 59.1 | 60.2 | 61.3 | 61.9 | 62.4 | 62.4 | 62.9 | 63.5 | 64.0 | 64.0 |
| 67.5° | 52.1 | 53.2 | 54.3 | 54.8 | 55.3 | 55.3 | 55.9 | 56.4 | 56.4 | 56.4 |
| 70° | 45.0 | 45.6 | 46.7 | 47.2 | 47.7 | 47.7 | 48.8 | 48.8 | 48.8 | 48.8 |
| 72.5° | 38.0 | 38.5 | 39.6 | 40.2 | 40.7 | 40.7 | 41.2 | 41.8 | 41.8 | 41.8 |
| 75° | 31.5 | 32.0 | 32.6 | 33.6 | 33.6 | 33.6 | 34.2 | 34.7 | 34.7 | 34.7 |
| 77.5° | 25.0 | 25.5 | 26.0 | 26.6 | 27.1 | 27.1 | 27.7 | 28.2 | 28.2 | 28.2 |
| 80° | 19.0 | 19.5 | 20.1 | 20.6 | 20.6 | 21.2 | 21.2 | 21.7 | 21.7 | 21.7 |
| 82.5° | 13.6 | 14.1 | 14.7 | 15.2 | 15.7 | 15.7 | 16.3 | 16.8 | 16.8 | 16.3 |
| 85° | 9.2 | 10.3 | 10.9 | 11.4 | 11.4 | 11.4 | 11.9 | 12.5 | 12.5 | 11.9 |
| 87.5° | 6.5 | 6.5 | 7.1 | 7.6 | 7.6 | 8.1 | 8.1 | 8.7 | 8.7 | 8.7 |
| 90° | 3.8 | 3.8 | 4.3 | 4.3 | 4.9 | 4.9 | 4.9 | 5.4 | 5.4 | 5.4 |
| 92.5° | 9.2 | 9.2 | 9.8 | 9.8 | 9.8 | 9.8 | 10.3 | 10.3 | 10.3 | 10.3 |
| 95° | 98.8 | 44.5 | 37.4 | 22.8 | 21.7 | 19.0 | 18.4 | 19.0 | 19.0 | 18.4 |
| 97.5° | 331.5 | 354.9 | 369.5 | 376.6 | 367.9 | 358.7 | 348.3 | 346.7 | 332.6 | 301.1 |
| 100° | 357.6 | 376.0 | 393.9 | 406.4 | 411.3 | 415.6 | 425.4 | 431.4 | 434.1 | 436.8 |
| 102.5° | 370.6 | 390.1 | 405.9 | 421.6 | 428.1 | 434.1 | 442.8 | 449.8 | 452.5 | 454.7 |
| 105° | 382.0 | 402.1 | 419.4 | 433.5 | 439.5 | 444.9 | 453.6 | 460.1 | 465.0 | 465.5 |
| 107.5° | 384.7 | 405.9 | 425.4 | 442.8 | 449.8 | 455.8 | 466.1 | 471.0 | 475.3 | 475.3 |
| 110° | 389.6 | 409.7 | 427.6 | 443.3 | 450.4 | 457.4 | 468.3 | 475.9 | 480.2 | 481.3 |



TEST NUMBER: P395670

CATALOG NUMBER: I3-UL-20L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 393.4 | 414.0 | 430.8 | 446.6 | 452.5 | 459.0 | 469.3 | 476.4 | 480.2 | 481.8 |
| 115° | 396.6 | 416.7 | 433.5 | 448.2 | 454.7 | 461.2 | 471.5 | 477.5 | 481.8 | 483.5 |
| 117.5° | 398.8 | 418.3 | 435.2 | 448.7 | 455.8 | 461.2 | 471.0 | 477.5 | 481.8 | 482.4 |
| 120° | 399.3 | 418.9 | 435.2 | 448.7 | 454.7 | 460.7 | 470.4 | 476.9 | 481.3 | 481.3 |
| 122.5° | 399.3 | 418.3 | 434.6 | 447.6 | 453.1 | 458.5 | 467.7 | 475.3 | 479.1 | 479.1 |
| 125° | 397.2 | 416.2 | 431.9 | 444.9 | 450.4 | 455.2 | 465.0 | 472.1 | 475.9 | 476.4 |
| 127.5° | 393.9 | 412.4 | 428.1 | 441.1 | 446.6 | 450.9 | 461.2 | 467.7 | 471.5 | 472.1 |
| 130° | 389.6 | 408.0 | 423.2 | 435.7 | 441.1 | 446.0 | 454.7 | 461.7 | 466.1 | 467.2 |
| 132.5° | 384.7 | 402.1 | 417.3 | 429.2 | 434.6 | 439.0 | 447.6 | 454.7 | 458.5 | 460.1 |
| 135° | 378.7 | 395.0 | 409.7 | 421.6 | 427.0 | 431.4 | 439.5 | 446.6 | 450.4 | 452.0 |
| 137.5° | 371.1 | 386.9 | 401.0 | 412.9 | 417.8 | 422.1 | 430.3 | 436.8 | 440.0 | 442.2 |
| 140° | 362.5 | 377.1 | 391.8 | 402.6 | 407.5 | 411.8 | 418.9 | 425.9 | 429.2 | 430.8 |
| 142.5° | 353.2 | 367.9 | 380.9 | 391.8 | 396.1 | 400.4 | 407.5 | 414.0 | 417.3 | 417.8 |
| 145° | 343.5 | 357.6 | 369.5 | 379.8 | 383.6 | 388.0 | 394.5 | 401.0 | 404.2 | 404.8 |
| 147.5° | 332.6 | 345.6 | 357.0 | 366.8 | 371.1 | 374.4 | 380.4 | 386.3 | 389.6 | 390.1 |
| 150° | 320.1 | 332.1 | 342.4 | 352.1 | 355.9 | 359.2 | 365.7 | 371.1 | 374.4 | 374.9 |
| 152.5° | 308.2 | 319.6 | 328.3 | 337.0 | 340.7 | 344.0 | 349.4 | 354.9 | 358.1 | 358.7 |
| 155° | 295.7 | 306.0 | 314.7 | 321.8 | 325.0 | 328.3 | 332.6 | 337.5 | 340.2 | 340.7 |
| 157.5° | 282.7 | 292.5 | 300.1 | 306.6 | 309.8 | 312.5 | 316.3 | 320.7 | 322.3 | 323.4 |
| 160° | 268.6 | 276.7 | 283.2 | 289.7 | 292.5 | 295.2 | 299.0 | 302.2 | 304.4 | 304.9 |
| 162.5° | 253.4 | 260.4 | 265.9 | 271.8 | 273.5 | 275.6 | 279.4 | 282.7 | 284.3 | 284.9 |
| 165° | 237.7 | 244.2 | 249.1 | 253.9 | 255.0 | 256.6 | 259.4 | 262.6 | 263.7 | 264.8 |
| 167.5° | 221.9 | 227.3 | 230.6 | 234.9 | 236.6 | 237.7 | 240.4 | 242.5 | 243.6 | 244.2 |
| 170° | 206.7 | 210.5 | 213.2 | 216.5 | 217.0 | 218.7 | 220.3 | 222.5 | 223.0 | 223.0 |
| 172.5° | 194.8 | 196.4 | 198.0 | 199.1 | 199.7 | 200.2 | 201.3 | 201.8 | 201.8 | 201.8 |
| 175° | 187.2 | 188.3 | 188.3 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 |
| 177.5° | 182.9 | 182.9 | 182.9 | 182.3 | 182.3 | 182.3 | 182.3 | 181.8 | 181.8 | 181.8 |
| 180° | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 |

(END OF REPORT)