

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: P395495

Luminaire Tested: **I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2192.7 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

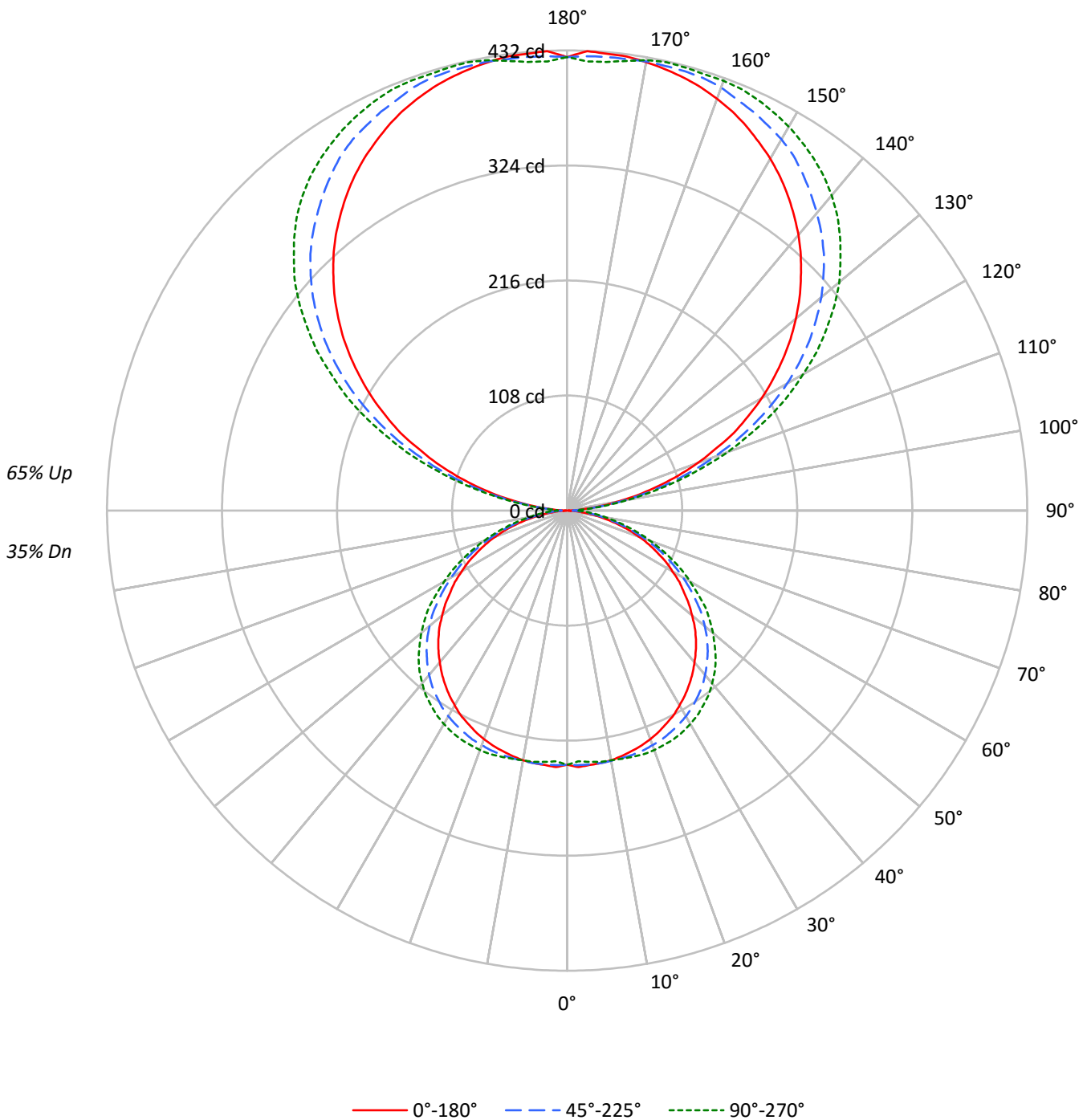
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 43 | 43 | 43 | 35 |
| 1 | 94 | 90 | 86 | 83 | 85 | 81 | 78 | 75 | 66 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 36 | 29 |
| 2 | 86 | 78 | 72 | 67 | 77 | 71 | 66 | 61 | 57 | 53 | 50 | 44 | 42 | 40 | 33 | 31 | 30 | 24 |
| 3 | 78 | 69 | 61 | 55 | 70 | 62 | 56 | 51 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 | 20 |
| 4 | 71 | 60 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 35 | 31 | 28 | 25 | 23 | 21 | 17 |
| 5 | 65 | 54 | 46 | 40 | 59 | 49 | 42 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 | 15 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 43 | 35 | 30 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 17 | 14 | 13 | 10 |
| 9 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1311 | 1311 | 1311 |
| 5° | 1318 | 1290 | 1270 |
| 10° | 1318 | 1272 | 1255 |
| 15° | 1315 | 1261 | 1250 |
| 20° | 1316 | 1250 | 1248 |
| 25° | 1312 | 1239 | 1243 |
| 30° | 1308 | 1227 | 1232 |
| 35° | 1301 | 1208 | 1213 |
| 40° | 1289 | 1182 | 1187 |
| 45° | 1275 | 1146 | 1150 |
| 50° | 1246 | 1095 | 1094 |
| 55° | 1210 | 1026 | 1029 |
| 60° | 1169 | 945 | 929 |
| 65° | 1112 | 847 | 825 |
| 70° | 1033 | 722 | 697 |
| 75° | 898 | 574 | 555 |
| 80° | 701 | 408 | 406 |
| 85° | 382 | 233 | 266 |



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.7 | 1.0 |
| 10°-20° | 66.9 | 3.1 |
| 20°-30° | 105.5 | 4.8 |
| 30°-40° | 132.6 | 6.0 |
| 40°-50° | 142.6 | 6.5 |
| 50°-60° | 131.2 | 6.0 |
| 60°-70° | 100.5 | 4.6 |
| 70°-80° | 57.2 | 2.6 |
| 80°-90° | 17.9 | 0.8 |
| 90°-100° | 23.9 | 1.1 |
| 100°-110° | 103.9 | 4.7 |
| 110°-120° | 190.2 | 8.7 |
| 120°-130° | 245.2 | 11.2 |
| 130°-140° | 260.9 | 11.9 |
| 140°-150° | 240.1 | 10.9 |
| 150°-160° | 190.2 | 8.7 |
| 160°-170° | 120.4 | 5.5 |
| 170°-180° | 40.8 | 1.9 |
| 0°-30° | 195.2 | 8.9 |
| 0°-40° | 327.8 | 14.9 |
| 0°-60° | 601.5 | 27.4 |
| 0°-90° | 777.1 | 35.4 |
| 90°-120° | 318.1 | 14.5 |
| 90°-150° | 1064.3 | 48.5 |
| 90°-180° | 1416.0 | 64.6 |
| 0°-180° | 2192.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 239 | 239 | 239 | 239 | 239 | |
| 5° | 240 | 237 | 239 | 238 | 237 | 23 |
| 15° | 234 | 233 | 237 | 239 | 239 | 66 |
| 25° | 221 | 221 | 230 | 235 | 237 | 102 |
| 35° | 200 | 202 | 214 | 221 | 223 | 125 |
| 45° | 171 | 175 | 187 | 194 | 197 | 132 |
| 55° | 134 | 139 | 148 | 156 | 158 | 120 |
| 65° | 93 | 96 | 102 | 107 | 109 | 93 |
| 75° | 49 | 50 | 54 | 57 | 59 | 52 |
| 85° | 9 | 11 | 15 | 19 | 20 | 11 |
| 90° | 1 | 2 | 5 | 8 | 9 | 1 |
| 95° | 16 | 16 | 17 | 20 | 20 | 20 |
| 105° | 88 | 92 | 99 | 105 | 107 | 94 |
| 115° | 173 | 181 | 195 | 205 | 210 | 169 |
| 125° | 247 | 258 | 277 | 291 | 297 | 221 |
| 135° | 310 | 320 | 341 | 355 | 362 | 239 |
| 145° | 361 | 369 | 386 | 397 | 404 | 226 |
| 155° | 398 | 403 | 413 | 422 | 425 | 184 |
| 165° | 421 | 421 | 427 | 430 | 430 | 119 |
| 175° | 430 | 428 | 428 | 426 | 423 | 41 |
| 180° | 426 | 426 | 426 | 426 | 426 | |



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 |
| 2.5° | 241.0 | 240.4 | 239.8 | 238.6 | 238.6 | 238.0 | 238.0 | 238.0 | 238.0 | 238.6 | 239.2 |
| 5° | 239.8 | 239.8 | 239.2 | 238.0 | 238.0 | 237.4 | 237.4 | 238.0 | 237.4 | 238.0 | 239.2 |
| 7.5° | 239.2 | 239.2 | 238.6 | 237.4 | 237.4 | 237.4 | 237.4 | 237.4 | 237.4 | 238.0 | 239.2 |
| 10° | 238.0 | 238.0 | 236.8 | 236.2 | 236.2 | 236.2 | 236.2 | 236.8 | 236.8 | 237.4 | 238.6 |
| 12.5° | 236.2 | 235.6 | 235.0 | 234.4 | 234.4 | 234.4 | 235.0 | 235.6 | 235.6 | 236.8 | 238.0 |
| 15° | 233.8 | 233.8 | 233.2 | 232.6 | 232.6 | 232.6 | 233.2 | 233.8 | 234.4 | 235.6 | 237.4 |
| 17.5° | 231.4 | 231.4 | 230.8 | 230.8 | 230.8 | 230.8 | 231.4 | 232.0 | 233.2 | 234.4 | 236.2 |
| 20° | 228.4 | 228.4 | 227.8 | 227.8 | 227.8 | 228.4 | 228.4 | 229.6 | 230.8 | 232.6 | 234.4 |
| 22.5° | 224.8 | 224.8 | 224.8 | 224.2 | 224.8 | 225.4 | 226.0 | 227.2 | 228.4 | 230.2 | 232.6 |
| 25° | 220.6 | 220.6 | 220.6 | 220.6 | 221.2 | 221.2 | 222.4 | 223.6 | 224.8 | 227.2 | 229.6 |
| 27.5° | 216.5 | 216.5 | 216.5 | 215.9 | 217.1 | 217.7 | 218.2 | 220.0 | 221.2 | 224.2 | 226.6 |
| 30° | 211.1 | 211.1 | 211.1 | 211.7 | 212.3 | 212.9 | 214.1 | 215.9 | 217.1 | 220.0 | 223.0 |
| 32.5° | 205.7 | 205.7 | 205.7 | 205.7 | 207.5 | 208.1 | 208.7 | 210.5 | 212.9 | 215.9 | 218.8 |
| 35° | 199.7 | 199.7 | 199.7 | 200.3 | 201.5 | 202.1 | 203.3 | 205.1 | 207.5 | 210.5 | 213.5 |
| 37.5° | 193.1 | 193.7 | 193.7 | 194.3 | 195.5 | 196.7 | 197.9 | 199.7 | 202.1 | 205.1 | 208.1 |
| 40° | 186.0 | 186.6 | 186.6 | 187.2 | 188.4 | 189.5 | 190.7 | 193.1 | 195.5 | 198.5 | 201.5 |
| 42.5° | 178.8 | 179.4 | 179.4 | 180.6 | 181.8 | 183.0 | 184.2 | 186.6 | 189.0 | 191.9 | 194.3 |
| 45° | 171.0 | 171.6 | 171.6 | 172.8 | 174.6 | 175.2 | 177.0 | 179.4 | 181.8 | 184.2 | 186.6 |
| 47.5° | 162.6 | 163.2 | 163.2 | 164.4 | 166.2 | 167.4 | 168.6 | 171.0 | 172.8 | 175.8 | 178.2 |
| 50° | 153.1 | 153.7 | 154.3 | 155.5 | 157.9 | 159.1 | 160.2 | 162.0 | 164.4 | 166.2 | 168.6 |
| 52.5° | 144.1 | 144.1 | 144.7 | 145.9 | 147.7 | 148.9 | 149.5 | 151.3 | 154.3 | 156.7 | 159.1 |
| 55° | 133.9 | 134.5 | 135.1 | 136.3 | 138.1 | 139.3 | 139.9 | 141.7 | 143.5 | 145.3 | 147.7 |
| 57.5° | 125.0 | 125.0 | 125.6 | 126.8 | 128.6 | 129.2 | 129.8 | 130.9 | 133.3 | 135.1 | 136.9 |
| 60° | 114.2 | 114.8 | 115.4 | 116.6 | 117.8 | 119.0 | 119.0 | 120.8 | 122.6 | 124.4 | 125.6 |
| 62.5° | 104.6 | 104.6 | 105.2 | 106.4 | 107.0 | 108.2 | 108.2 | 110.0 | 111.2 | 113.0 | 114.2 |
| 65° | 93.3 | 93.9 | 94.5 | 95.1 | 96.3 | 96.3 | 96.9 | 98.1 | 99.3 | 100.5 | 102.2 |
| 67.5° | 83.1 | 83.1 | 83.7 | 84.3 | 84.9 | 84.9 | 85.5 | 86.7 | 87.9 | 89.1 | 90.3 |
| 70° | 71.8 | 72.4 | 72.4 | 72.4 | 72.9 | 73.5 | 74.1 | 74.7 | 75.9 | 76.5 | 77.7 |
| 72.5° | 60.4 | 60.4 | 61.0 | 61.0 | 61.6 | 62.2 | 62.8 | 63.4 | 64.0 | 65.2 | 65.8 |
| 75° | 49.0 | 49.0 | 49.6 | 49.6 | 50.2 | 50.2 | 50.2 | 51.4 | 52.0 | 53.2 | 53.8 |
| 77.5° | 37.7 | 38.3 | 38.3 | 38.3 | 38.9 | 39.5 | 39.5 | 40.1 | 41.3 | 41.9 | 42.5 |
| 80° | 27.5 | 27.5 | 27.5 | 27.5 | 28.1 | 28.7 | 29.3 | 29.3 | 30.5 | 31.7 | 32.3 |
| 82.5° | 17.3 | 17.3 | 17.9 | 18.5 | 18.5 | 19.1 | 19.7 | 20.3 | 21.5 | 22.1 | 22.7 |
| 85° | 9.0 | 9.0 | 9.6 | 10.2 | 10.8 | 11.4 | 11.4 | 12.0 | 13.2 | 14.4 | 14.9 |
| 87.5° | 3.0 | 3.6 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.8 | 9.0 | 9.6 |
| 90° | 0.6 | 0.6 | 0.6 | 1.2 | 1.8 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 5.4 |
| 92.5° | 5.4 | 5.4 | 4.8 | 5.4 | 5.4 | 5.4 | 5.4 | 6.0 | 6.6 | 6.6 | 7.8 |
| 95° | 16.1 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 16.1 | 16.7 | 16.7 | 17.3 |
| 97.5° | 31.1 | 31.1 | 30.5 | 30.5 | 31.1 | 31.1 | 31.1 | 31.7 | 32.9 | 32.3 | 33.5 |
| 100° | 48.4 | 48.4 | 47.8 | 48.4 | 49.0 | 49.6 | 50.8 | 50.8 | 52.0 | 52.0 | 53.8 |
| 102.5° | 68.2 | 68.2 | 67.6 | 68.8 | 69.4 | 70.6 | 70.6 | 71.8 | 73.5 | 73.5 | 75.9 |
| 105° | 87.9 | 88.5 | 88.5 | 89.7 | 90.9 | 92.1 | 92.1 | 93.9 | 96.3 | 96.3 | 99.3 |
| 107.5° | 109.4 | 110.0 | 110.0 | 111.2 | 112.4 | 113.6 | 114.2 | 116.6 | 119.0 | 119.6 | 123.2 |
| 110° | 130.4 | 130.9 | 131.5 | 132.7 | 133.9 | 135.7 | 136.9 | 139.3 | 142.3 | 143.5 | 146.5 |



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.1 | 152.5 | 153.1 | 154.9 | 156.7 | 158.5 | 159.7 | 162.6 | 166.2 | 168.0 | 171.6 |
| 115° | 172.8 | 174.0 | 174.6 | 176.4 | 178.8 | 180.6 | 181.8 | 184.8 | 188.4 | 190.7 | 194.9 |
| 117.5° | 191.3 | 194.3 | 194.9 | 196.7 | 199.1 | 200.9 | 202.1 | 205.7 | 209.9 | 212.9 | 217.1 |
| 120° | 211.1 | 213.5 | 215.9 | 217.1 | 218.8 | 221.2 | 222.4 | 226.0 | 230.8 | 233.8 | 238.6 |
| 122.5° | 229.0 | 231.4 | 233.8 | 235.6 | 238.0 | 239.2 | 241.0 | 245.2 | 249.9 | 253.5 | 258.3 |
| 125° | 247.0 | 249.9 | 251.7 | 253.5 | 256.5 | 257.7 | 259.5 | 263.7 | 268.5 | 272.7 | 277.4 |
| 127.5° | 264.3 | 266.1 | 269.1 | 270.3 | 273.3 | 274.5 | 276.3 | 281.0 | 285.8 | 290.0 | 294.8 |
| 130° | 280.4 | 282.8 | 285.2 | 285.8 | 289.4 | 291.2 | 293.0 | 297.2 | 302.6 | 306.7 | 311.5 |
| 132.5° | 296.0 | 297.2 | 300.2 | 302.0 | 305.0 | 306.7 | 308.5 | 312.1 | 317.5 | 321.7 | 326.5 |
| 135° | 310.3 | 311.5 | 315.1 | 316.9 | 318.7 | 320.5 | 322.9 | 326.5 | 331.9 | 336.0 | 340.8 |
| 137.5° | 324.7 | 325.9 | 329.5 | 331.3 | 332.5 | 334.3 | 336.0 | 339.6 | 345.0 | 349.2 | 353.4 |
| 140° | 337.8 | 339.0 | 341.4 | 343.8 | 345.0 | 346.2 | 348.0 | 351.6 | 356.4 | 360.6 | 364.7 |
| 142.5° | 349.8 | 351.0 | 353.4 | 355.8 | 357.6 | 357.6 | 359.4 | 362.4 | 367.7 | 371.9 | 375.5 |
| 145° | 361.2 | 361.8 | 364.1 | 366.5 | 368.9 | 368.9 | 369.5 | 372.5 | 377.3 | 382.1 | 385.7 |
| 147.5° | 371.9 | 372.5 | 374.3 | 376.7 | 378.5 | 379.1 | 380.3 | 381.5 | 386.3 | 391.1 | 395.2 |
| 150° | 381.5 | 382.1 | 383.3 | 385.7 | 386.9 | 388.1 | 389.3 | 389.9 | 393.4 | 397.6 | 402.4 |
| 152.5° | 389.9 | 390.5 | 391.7 | 393.4 | 394.6 | 395.8 | 397.0 | 398.8 | 400.6 | 404.8 | 407.8 |
| 155° | 398.2 | 398.8 | 399.4 | 401.2 | 402.4 | 403.0 | 403.6 | 406.0 | 407.8 | 410.2 | 413.2 |
| 157.5° | 405.4 | 405.4 | 406.0 | 407.2 | 408.4 | 408.4 | 409.0 | 411.4 | 413.2 | 415.6 | 417.4 |
| 160° | 411.4 | 411.4 | 412.0 | 413.2 | 413.2 | 413.8 | 414.4 | 416.2 | 417.4 | 420.4 | 422.7 |
| 162.5° | 416.8 | 416.2 | 416.8 | 417.4 | 417.4 | 417.4 | 418.0 | 419.2 | 421.0 | 423.3 | 425.7 |
| 165° | 421.0 | 421.0 | 421.0 | 421.6 | 421.6 | 421.0 | 421.0 | 422.1 | 423.3 | 425.1 | 426.9 |
| 167.5° | 424.5 | 424.5 | 423.9 | 424.5 | 423.9 | 423.9 | 423.3 | 423.9 | 424.5 | 426.3 | 427.5 |
| 170° | 427.5 | 426.9 | 426.9 | 426.9 | 426.3 | 425.7 | 425.7 | 425.7 | 425.7 | 426.9 | 428.1 |
| 172.5° | 429.9 | 429.3 | 428.7 | 428.7 | 427.5 | 426.9 | 426.9 | 426.3 | 426.3 | 426.9 | 427.5 |
| 175° | 430.5 | 429.9 | 429.3 | 429.3 | 428.1 | 427.5 | 426.9 | 426.9 | 426.3 | 426.9 | 427.5 |
| 177.5° | 431.7 | 431.1 | 429.9 | 429.9 | 428.7 | 427.5 | 427.5 | 426.9 | 426.3 | 426.9 | 426.9 |
| 180° | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 |



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 |
| 2.5° | 239.8 | 239.8 | 239.2 | 238.6 | 238.6 | 238.0 | 237.4 | 236.8 | 236.2 | 235.6 |
| 5° | 239.8 | 239.2 | 238.6 | 238.6 | 238.0 | 238.0 | 238.0 | 237.4 | 236.8 | 236.8 |
| 7.5° | 239.8 | 239.8 | 239.2 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 238.0 | 238.0 |
| 10° | 239.8 | 239.2 | 239.2 | 239.2 | 238.6 | 239.2 | 239.2 | 238.6 | 238.6 | 238.0 |
| 12.5° | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 238.6 |
| 15° | 238.0 | 238.6 | 238.6 | 239.2 | 239.2 | 239.2 | 239.8 | 239.8 | 239.2 | 239.2 |
| 17.5° | 237.4 | 238.0 | 238.6 | 239.2 | 239.2 | 239.2 | 239.8 | 239.8 | 239.8 | 239.8 |
| 20° | 236.2 | 236.8 | 237.4 | 238.0 | 238.0 | 238.6 | 238.6 | 239.2 | 239.2 | 239.2 |
| 22.5° | 233.8 | 234.4 | 235.6 | 236.2 | 236.8 | 237.4 | 238.0 | 238.0 | 238.0 | 238.0 |
| 25° | 231.4 | 232.6 | 233.2 | 234.4 | 235.0 | 235.6 | 236.2 | 236.2 | 236.2 | 236.8 |
| 27.5° | 228.4 | 229.6 | 231.4 | 232.0 | 232.6 | 233.2 | 233.8 | 234.4 | 234.4 | 234.4 |
| 30° | 224.8 | 226.6 | 227.8 | 229.0 | 229.6 | 230.2 | 230.8 | 230.8 | 231.4 | 231.4 |
| 32.5° | 220.6 | 222.4 | 223.6 | 224.8 | 225.4 | 226.0 | 227.2 | 227.2 | 227.8 | 227.8 |
| 35° | 215.3 | 217.1 | 218.8 | 220.0 | 220.6 | 221.2 | 222.4 | 223.0 | 223.0 | 223.0 |
| 37.5° | 209.9 | 211.7 | 213.5 | 215.3 | 215.9 | 216.5 | 217.7 | 217.7 | 218.2 | 218.2 |
| 40° | 203.3 | 205.1 | 206.9 | 208.7 | 208.7 | 209.9 | 210.5 | 211.1 | 211.7 | 211.7 |
| 42.5° | 196.7 | 198.5 | 199.7 | 201.5 | 202.1 | 202.7 | 203.3 | 204.5 | 204.5 | 205.1 |
| 45° | 189.0 | 190.7 | 191.9 | 193.7 | 194.3 | 194.9 | 196.1 | 196.7 | 197.3 | 197.3 |
| 47.5° | 180.6 | 181.8 | 183.0 | 184.8 | 186.0 | 186.6 | 187.2 | 187.8 | 188.4 | 187.8 |
| 50° | 171.0 | 172.2 | 174.0 | 175.8 | 176.4 | 177.0 | 178.2 | 178.2 | 178.8 | 178.8 |
| 52.5° | 160.8 | 162.6 | 163.8 | 165.6 | 166.2 | 166.8 | 168.0 | 168.0 | 168.6 | 168.6 |
| 55° | 149.5 | 150.7 | 151.9 | 154.9 | 155.5 | 156.1 | 157.3 | 157.3 | 157.9 | 158.5 |
| 57.5° | 138.7 | 139.3 | 141.1 | 142.3 | 143.5 | 143.5 | 144.1 | 144.7 | 145.3 | 145.3 |
| 60° | 127.4 | 128.0 | 129.2 | 130.9 | 130.9 | 131.5 | 132.7 | 132.7 | 133.3 | 133.3 |
| 62.5° | 115.4 | 116.6 | 117.8 | 119.6 | 119.0 | 119.6 | 120.8 | 120.8 | 121.4 | 121.4 |
| 65° | 103.4 | 104.0 | 105.2 | 106.4 | 107.0 | 107.0 | 107.6 | 108.2 | 108.8 | 108.8 |
| 67.5° | 90.9 | 92.1 | 92.7 | 94.5 | 93.9 | 94.5 | 95.1 | 95.1 | 95.7 | 95.7 |
| 70° | 78.9 | 79.5 | 80.7 | 81.3 | 81.3 | 81.9 | 82.5 | 82.5 | 82.5 | 83.1 |
| 72.5° | 67.0 | 67.6 | 68.2 | 68.8 | 68.8 | 69.4 | 70.0 | 70.0 | 70.6 | 70.6 |
| 75° | 54.4 | 55.6 | 56.2 | 57.4 | 56.8 | 57.4 | 58.6 | 58.6 | 58.6 | 58.6 |
| 77.5° | 43.6 | 44.2 | 45.4 | 46.0 | 46.0 | 46.0 | 47.2 | 46.6 | 47.2 | 47.2 |
| 80° | 32.9 | 33.5 | 34.7 | 35.3 | 35.3 | 35.9 | 36.5 | 36.5 | 36.5 | 37.1 |
| 82.5° | 23.3 | 24.5 | 25.7 | 26.3 | 26.3 | 26.9 | 27.5 | 27.5 | 28.1 | 28.1 |
| 85° | 16.1 | 17.3 | 18.5 | 18.5 | 19.1 | 19.7 | 20.3 | 20.3 | 20.3 | 20.3 |
| 87.5° | 10.8 | 11.4 | 12.0 | 12.6 | 13.2 | 13.2 | 13.8 | 13.8 | 14.4 | 14.4 |
| 90° | 6.0 | 6.6 | 7.2 | 7.8 | 7.8 | 8.4 | 8.4 | 9.0 | 9.0 | 9.0 |
| 92.5° | 8.4 | 8.4 | 9.0 | 9.6 | 9.6 | 9.6 | 9.6 | 10.2 | 10.2 | 10.2 |
| 95° | 17.9 | 18.5 | 18.5 | 19.7 | 19.7 | 19.7 | 20.3 | 20.3 | 20.3 | 20.3 |
| 97.5° | 34.7 | 34.7 | 34.7 | 35.9 | 35.9 | 35.9 | 36.5 | 36.5 | 36.5 | 37.1 |
| 100° | 54.4 | 55.0 | 55.0 | 56.8 | 56.2 | 57.4 | 57.4 | 57.4 | 57.4 | 58.0 |
| 102.5° | 76.5 | 77.7 | 78.3 | 80.1 | 80.1 | 80.1 | 81.3 | 80.7 | 81.3 | 81.3 |
| 105° | 100.5 | 101.7 | 102.2 | 104.0 | 105.2 | 105.2 | 106.4 | 105.8 | 106.4 | 107.0 |
| 107.5° | 124.4 | 126.2 | 127.4 | 129.2 | 130.4 | 130.9 | 130.9 | 131.5 | 132.1 | 132.7 |
| 110° | 148.9 | 150.7 | 153.7 | 155.5 | 156.1 | 157.3 | 157.9 | 158.5 | 159.1 | 160.2 |



TEST NUMBER: P395495

CATALOG NUMBER: I3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.6 | 176.4 | 178.8 | 181.2 | 180.6 | 182.4 | 183.6 | 184.2 | 184.8 | 184.2 |
| 115° | 197.9 | 200.3 | 202.7 | 205.1 | 205.1 | 206.3 | 208.7 | 209.3 | 209.3 | 210.5 |
| 117.5° | 220.0 | 223.0 | 225.4 | 227.8 | 228.4 | 229.6 | 231.4 | 233.2 | 233.2 | 234.4 |
| 120° | 241.6 | 245.2 | 247.5 | 249.9 | 251.1 | 251.7 | 253.5 | 255.9 | 255.9 | 255.9 |
| 122.5° | 261.9 | 264.9 | 267.9 | 270.3 | 271.5 | 272.7 | 273.9 | 276.8 | 276.8 | 278.0 |
| 125° | 281.0 | 284.6 | 287.6 | 290.0 | 291.2 | 292.4 | 294.8 | 296.6 | 297.2 | 297.2 |
| 127.5° | 299.0 | 302.6 | 305.5 | 308.5 | 309.1 | 310.3 | 312.7 | 315.1 | 315.7 | 316.3 |
| 130° | 315.7 | 319.3 | 322.3 | 325.3 | 326.5 | 327.1 | 330.1 | 331.9 | 333.1 | 333.7 |
| 132.5° | 330.7 | 334.3 | 337.2 | 340.2 | 341.4 | 342.6 | 344.4 | 347.4 | 348.0 | 348.0 |
| 135° | 344.4 | 348.0 | 351.0 | 354.6 | 355.2 | 356.4 | 358.8 | 360.6 | 361.8 | 362.4 |
| 137.5° | 357.0 | 360.6 | 364.1 | 367.1 | 368.3 | 368.9 | 371.3 | 373.7 | 374.9 | 375.5 |
| 140° | 368.3 | 371.9 | 375.5 | 377.9 | 378.5 | 380.3 | 382.1 | 384.5 | 385.7 | 386.3 |
| 142.5° | 379.1 | 382.1 | 385.1 | 388.1 | 388.7 | 389.9 | 391.7 | 394.0 | 395.2 | 395.8 |
| 145° | 388.7 | 391.7 | 394.0 | 396.4 | 397.0 | 398.2 | 400.0 | 401.8 | 403.0 | 403.6 |
| 147.5° | 397.6 | 400.0 | 402.4 | 404.2 | 404.8 | 406.0 | 407.2 | 408.4 | 409.6 | 410.2 |
| 150° | 405.4 | 406.6 | 409.0 | 410.2 | 410.8 | 412.0 | 413.2 | 414.4 | 415.6 | 416.2 |
| 152.5° | 411.4 | 413.2 | 414.4 | 416.2 | 416.8 | 417.4 | 418.6 | 419.8 | 421.0 | 421.0 |
| 155° | 416.2 | 418.0 | 419.2 | 421.0 | 421.6 | 422.1 | 423.3 | 423.9 | 425.1 | 425.1 |
| 157.5° | 419.8 | 421.6 | 422.7 | 423.9 | 424.5 | 425.1 | 425.7 | 426.9 | 428.1 | 428.1 |
| 160° | 423.9 | 424.5 | 425.1 | 426.3 | 426.3 | 426.9 | 427.5 | 428.1 | 429.3 | 429.3 |
| 162.5° | 427.5 | 428.1 | 426.9 | 427.5 | 426.9 | 427.5 | 428.1 | 428.7 | 429.3 | 429.3 |
| 165° | 428.7 | 429.9 | 429.3 | 429.9 | 429.9 | 429.9 | 429.9 | 430.5 | 430.5 | 430.5 |
| 167.5° | 428.7 | 429.9 | 429.3 | 429.3 | 429.9 | 429.9 | 430.5 | 431.1 | 431.1 | 431.1 |
| 170° | 428.7 | 429.3 | 428.7 | 428.1 | 428.7 | 428.7 | 428.7 | 429.3 | 429.3 | 429.3 |
| 172.5° | 428.1 | 428.7 | 427.5 | 426.9 | 426.9 | 426.9 | 426.3 | 426.3 | 425.7 | 425.7 |
| 175° | 427.5 | 427.5 | 426.3 | 425.7 | 425.7 | 425.7 | 424.5 | 423.9 | 423.3 | 422.7 |
| 177.5° | 426.9 | 426.9 | 425.1 | 424.5 | 424.5 | 423.9 | 423.9 | 422.7 | 422.7 | 422.1 |
| 180° | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 |

(END OF REPORT)