

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: NEO-RAY

Report Number: P332495-940

Luminaire Tested: **S124DIP-S350D365U940-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332495-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S350D365U940-4F0-1E-UDD-D4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2452.4 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: General Diffuse

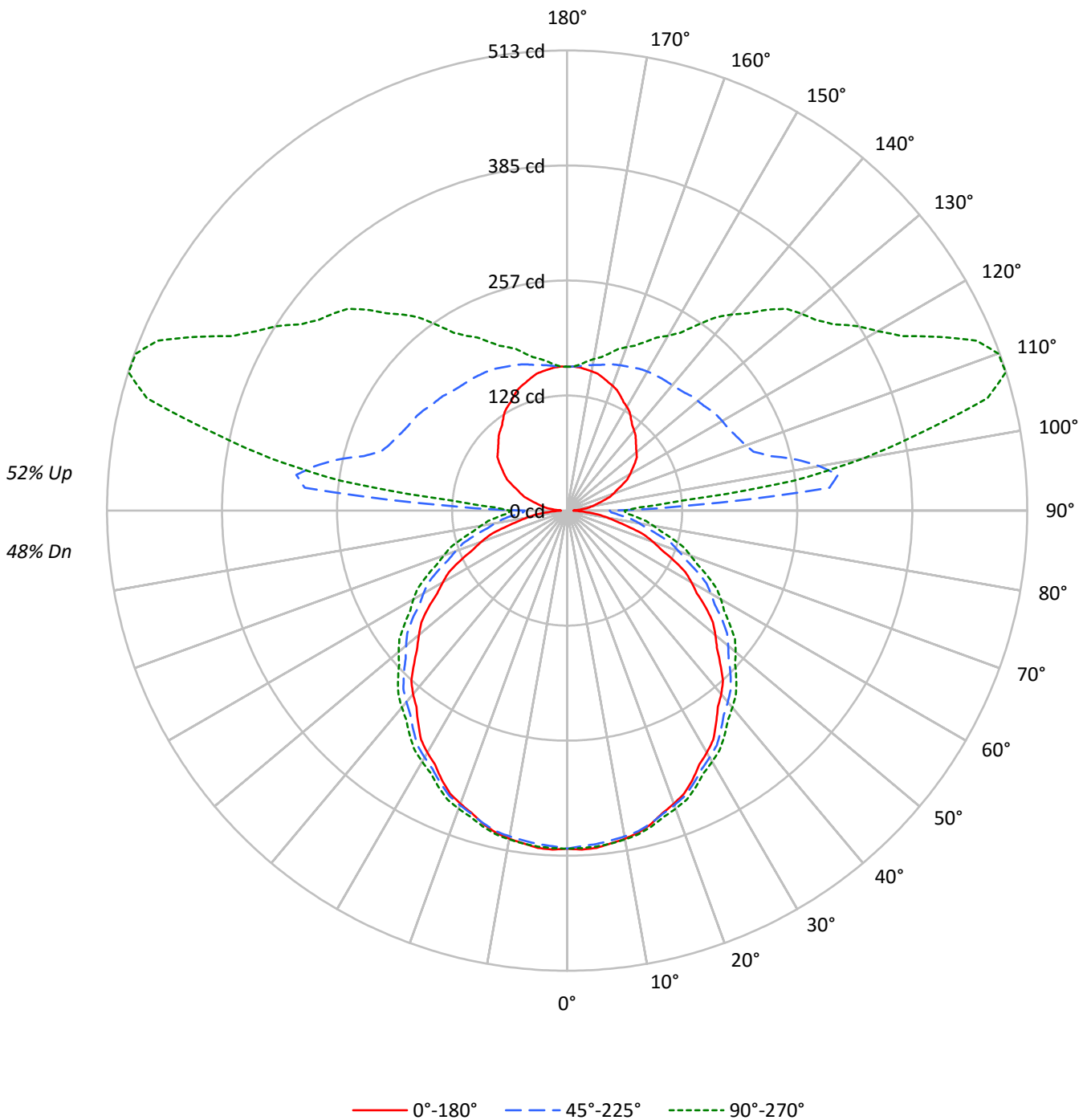
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 55 | 55 | 55 | 48 |
| 1 | 96 | 92 | 87 | 84 | 89 | 84 | 81 | 77 | 71 | 68 | 66 | 58 | 56 | 55 | 47 | 45 | 44 | 39 |
| 2 | 87 | 79 | 73 | 67 | 80 | 73 | 68 | 63 | 61 | 57 | 54 | 51 | 48 | 45 | 41 | 38 | 36 | 32 |
| 3 | 79 | 70 | 62 | 56 | 73 | 64 | 57 | 52 | 54 | 49 | 45 | 44 | 41 | 37 | 36 | 33 | 31 | 26 |
| 4 | 73 | 61 | 53 | 47 | 66 | 57 | 49 | 44 | 48 | 42 | 38 | 39 | 35 | 32 | 32 | 29 | 26 | 22 |
| 5 | 66 | 54 | 46 | 40 | 61 | 50 | 43 | 37 | 42 | 37 | 32 | 35 | 31 | 27 | 28 | 25 | 22 | 19 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 22 | 20 | 17 |
| 7 | 56 | 44 | 36 | 30 | 52 | 41 | 33 | 28 | 34 | 29 | 24 | 29 | 24 | 21 | 23 | 20 | 17 | 15 |
| 8 | 52 | 40 | 32 | 26 | 48 | 37 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 21 | 18 | 15 | 13 |
| 9 | 49 | 36 | 29 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | 24 | 20 | 17 | 20 | 16 | 14 | 12 |
| 10 | 45 | 33 | 26 | 21 | 42 | 31 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3043 | 3043 | 3043 |
| 5° | 3053 | 2974 | 2982 |
| 10° | 3033 | 2925 | 2923 |
| 15° | 3006 | 2869 | 2854 |
| 20° | 2965 | 2807 | 2785 |
| 25° | 2919 | 2737 | 2710 |
| 30° | 2869 | 2668 | 2634 |
| 35° | 2812 | 2597 | 2566 |
| 40° | 2768 | 2530 | 2497 |
| 45° | 2700 | 2466 | 2436 |
| 50° | 2643 | 2396 | 2373 |
| 55° | 2585 | 2328 | 2298 |
| 60° | 2493 | 2242 | 2231 |
| 65° | 2392 | 2149 | 2146 |
| 70° | 2271 | 2045 | 2049 |
| 75° | 2101 | 1926 | 1961 |
| 80° | 1913 | 1816 | 1875 |
| 85° | 1676 | 1717 | 1825 |



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.7 | 1.5 |
| 10°-20° | 102.3 | 4.2 |
| 20°-30° | 154.6 | 6.3 |
| 30°-40° | 187.1 | 7.6 |
| 40°-50° | 197.8 | 8.1 |
| 50°-60° | 186.2 | 7.6 |
| 60°-70° | 154.4 | 6.3 |
| 70°-80° | 108.5 | 4.4 |
| 80°-90° | 62.2 | 2.5 |
| 90°-100° | 152.3 | 6.2 |
| 100°-110° | 268.1 | 10.9 |
| 110°-120° | 234.1 | 9.5 |
| 120°-130° | 191.9 | 7.8 |
| 130°-140° | 155.9 | 6.4 |
| 140°-150° | 116.6 | 4.8 |
| 150°-160° | 81.4 | 3.3 |
| 160°-170° | 47.8 | 2.0 |
| 170°-180° | 15.6 | 0.6 |
| 0°-30° | 292.6 | 11.9 |
| 0°-40° | 479.7 | 19.6 |
| 0°-60° | 863.6 | 35.2 |
| 0°-90° | 1188.8 | 48.5 |
| 90°-120° | 654.5 | 26.7 |
| 90°-150° | 1118.9 | 45.6 |
| 90°-180° | 1264.0 | 51.5 |
| 0°-180° | 2452.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 377 | 377 | 377 | 377 | 377 | |
| 5° | 377 | 376 | 373 | 376 | 376 | 36 |
| 15° | 362 | 362 | 361 | 364 | 364 | 102 |
| 25° | 331 | 333 | 335 | 339 | 340 | 152 |
| 35° | 290 | 295 | 299 | 304 | 306 | 181 |
| 45° | 241 | 249 | 257 | 264 | 267 | 187 |
| 55° | 189 | 198 | 211 | 219 | 222 | 168 |
| 65° | 131 | 144 | 159 | 169 | 173 | 130 |
| 75° | 73 | 88 | 106 | 117 | 122 | 77 |
| 85° | 22 | 40 | 59 | 71 | 76 | 24 |
| 90° | 7 | 26 | 47 | 60 | 64 | 5 |
| 95° | 16 | 52 | 294 | 175 | 129 | 16 |
| 105° | 41 | 66 | 235 | 483 | 485 | 44 |
| 115° | 67 | 88 | 204 | 383 | 458 | 67 |
| 125° | 92 | 109 | 195 | 321 | 362 | 82 |
| 135° | 108 | 129 | 186 | 278 | 317 | 84 |
| 145° | 124 | 142 | 181 | 228 | 252 | 78 |
| 155° | 141 | 152 | 176 | 199 | 208 | 65 |
| 165° | 154 | 158 | 169 | 178 | 181 | 43 |
| 175° | 160 | 160 | 162 | 164 | 163 | 15 |
| 180° | 160 | 160 | 160 | 160 | 160 | |



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 |
| 2.5° | 378.3 | 378.0 | 377.8 | 377.6 | 377.4 | 376.9 | 376.4 | 375.8 | 375.1 | 374.5 | 375.1 |
| 5° | 377.4 | 377.0 | 376.7 | 376.5 | 376.2 | 375.8 | 375.1 | 374.4 | 373.8 | 373.1 | 373.9 |
| 7.5° | 374.2 | 374.0 | 373.8 | 373.6 | 373.4 | 373.1 | 372.6 | 372.0 | 371.5 | 371.0 | 371.8 |
| 10° | 371.4 | 371.3 | 371.2 | 371.1 | 371.0 | 370.8 | 370.3 | 369.8 | 369.3 | 368.9 | 369.7 |
| 12.5° | 367.7 | 367.7 | 367.7 | 367.7 | 367.7 | 367.5 | 367.1 | 366.8 | 366.5 | 366.2 | 366.9 |
| 15° | 361.7 | 361.9 | 361.9 | 362.0 | 362.1 | 362.0 | 361.7 | 361.4 | 361.1 | 360.9 | 361.7 |
| 17.5° | 353.6 | 353.8 | 354.1 | 354.4 | 354.6 | 354.8 | 354.7 | 354.6 | 354.6 | 354.5 | 355.4 |
| 20° | 347.8 | 348.0 | 348.4 | 348.7 | 348.9 | 349.1 | 349.2 | 349.3 | 349.4 | 349.5 | 350.4 |
| 22.5° | 341.3 | 341.7 | 342.1 | 342.4 | 342.8 | 343.0 | 343.2 | 343.4 | 343.6 | 343.8 | 344.6 |
| 25° | 330.9 | 331.4 | 332.1 | 332.6 | 333.1 | 333.6 | 333.9 | 334.1 | 334.4 | 334.7 | 335.7 |
| 27.5° | 319.2 | 320.1 | 320.9 | 321.7 | 322.5 | 323.2 | 323.6 | 324.0 | 324.5 | 324.9 | 325.8 |
| 30° | 311.5 | 312.3 | 313.0 | 313.7 | 314.5 | 315.2 | 315.8 | 316.5 | 317.2 | 317.8 | 318.9 |
| 32.5° | 303.1 | 304.0 | 304.9 | 305.8 | 306.7 | 307.5 | 308.2 | 308.9 | 309.7 | 310.4 | 311.6 |
| 35° | 289.5 | 290.7 | 291.8 | 292.9 | 294.1 | 295.1 | 296.0 | 296.9 | 297.9 | 298.8 | 300.1 |
| 37.5° | 276.0 | 277.2 | 278.6 | 279.8 | 281.2 | 282.3 | 283.6 | 284.7 | 285.9 | 287.0 | 288.4 |
| 40° | 267.2 | 268.4 | 269.7 | 270.8 | 272.1 | 273.3 | 274.6 | 276.0 | 277.2 | 278.6 | 280.0 |
| 42.5° | 257.1 | 258.4 | 259.8 | 261.2 | 262.5 | 263.9 | 265.6 | 267.1 | 268.6 | 270.1 | 271.7 |
| 45° | 241.4 | 243.2 | 245.0 | 246.7 | 248.5 | 250.3 | 252.1 | 253.9 | 255.7 | 257.4 | 259.0 |
| 47.5° | 226.5 | 228.4 | 230.2 | 232.0 | 233.8 | 235.8 | 237.8 | 240.0 | 242.0 | 244.1 | 245.7 |
| 50° | 215.7 | 217.8 | 219.8 | 221.9 | 223.9 | 226.0 | 228.1 | 230.2 | 232.2 | 234.3 | 236.1 |
| 52.5° | 204.9 | 207.0 | 209.0 | 211.1 | 213.1 | 215.3 | 217.7 | 220.1 | 222.4 | 224.8 | 226.7 |
| 55° | 189.1 | 191.1 | 193.1 | 195.0 | 197.0 | 199.4 | 202.2 | 205.0 | 207.8 | 210.6 | 212.5 |
| 57.5° | 171.5 | 173.9 | 176.3 | 178.8 | 181.2 | 183.8 | 186.6 | 189.4 | 192.2 | 195.0 | 197.2 |
| 60° | 160.0 | 162.4 | 164.9 | 167.3 | 169.7 | 172.5 | 175.6 | 178.7 | 181.7 | 184.9 | 187.0 |
| 62.5° | 148.8 | 151.5 | 154.2 | 156.9 | 159.4 | 162.4 | 165.4 | 168.5 | 171.7 | 174.8 | 176.9 |
| 65° | 130.8 | 133.8 | 136.9 | 139.8 | 142.9 | 146.0 | 149.1 | 152.3 | 155.5 | 158.7 | 161.0 |
| 67.5° | 113.5 | 116.7 | 119.9 | 123.1 | 126.3 | 129.6 | 133.0 | 136.4 | 139.8 | 143.2 | 145.6 |
| 70° | 101.7 | 104.9 | 108.1 | 111.3 | 114.5 | 117.9 | 121.5 | 125.0 | 128.6 | 132.2 | 134.6 |
| 72.5° | 90.2 | 93.5 | 96.8 | 100.0 | 103.3 | 106.8 | 110.6 | 114.4 | 118.2 | 122.0 | 124.4 |
| 75° | 72.6 | 76.1 | 79.5 | 83.0 | 86.5 | 90.2 | 94.2 | 98.1 | 102.0 | 105.9 | 108.6 |
| 77.5° | 56.2 | 59.8 | 63.5 | 67.1 | 70.8 | 74.7 | 78.8 | 83.0 | 87.1 | 91.2 | 93.9 |
| 80° | 46.0 | 49.8 | 53.5 | 57.2 | 61.0 | 64.9 | 69.1 | 73.2 | 77.3 | 81.5 | 84.3 |
| 82.5° | 35.8 | 39.8 | 43.7 | 47.6 | 51.5 | 55.5 | 59.7 | 63.8 | 67.9 | 72.1 | 74.9 |
| 85° | 22.4 | 26.3 | 30.2 | 34.2 | 38.2 | 42.2 | 46.5 | 50.6 | 54.8 | 59.1 | 61.9 |
| 87.5° | 12.6 | 16.5 | 20.5 | 24.4 | 28.3 | 32.3 | 36.7 | 40.8 | 45.1 | 49.3 | 52.0 |
| 90° | 7.0 | 11.4 | 16.1 | 20.2 | 24.3 | 28.2 | 34.1 | 38.2 | 42.8 | 47.4 | 49.8 |
| 92.5° | 10.0 | 15.0 | 21.4 | 28.6 | 36.6 | 46.8 | 66.9 | 95.3 | 123.2 | 139.7 | 125.6 |
| 95° | 15.9 | 19.9 | 26.2 | 33.3 | 44.1 | 60.7 | 92.0 | 147.5 | 226.7 | 293.6 | 303.4 |
| 97.5° | 23.6 | 26.3 | 31.7 | 38.2 | 47.3 | 61.6 | 86.5 | 133.0 | 211.7 | 304.6 | 368.4 |
| 100° | 28.6 | 31.0 | 35.7 | 41.9 | 50.3 | 63.5 | 85.7 | 125.0 | 193.0 | 285.4 | 368.6 |
| 102.5° | 33.6 | 36.3 | 40.4 | 46.0 | 53.9 | 66.3 | 86.8 | 121.7 | 179.9 | 262.3 | 348.0 |
| 105° | 40.7 | 43.5 | 46.9 | 52.6 | 60.2 | 72.0 | 90.6 | 120.2 | 167.8 | 234.6 | 311.0 |
| 107.5° | 49.3 | 51.5 | 54.6 | 60.1 | 67.1 | 78.6 | 95.7 | 122.8 | 163.7 | 218.0 | 280.8 |
| 110° | 54.8 | 56.7 | 59.6 | 64.6 | 71.7 | 82.5 | 99.6 | 124.9 | 162.9 | 211.9 | 265.5 |



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 59.9 | 61.7 | 64.7 | 69.5 | 76.2 | 86.9 | 103.4 | 127.3 | 162.9 | 207.9 | 255.8 |
| 115° | 67.4 | 69.3 | 72.3 | 76.3 | 83.1 | 93.5 | 109.1 | 131.1 | 163.4 | 204.2 | 245.9 |
| 117.5° | 75.7 | 77.0 | 79.5 | 83.6 | 89.6 | 100.1 | 114.9 | 135.1 | 164.2 | 201.3 | 240.0 |
| 120° | 80.9 | 81.8 | 84.3 | 88.0 | 93.7 | 104.0 | 118.7 | 137.9 | 164.8 | 199.7 | 236.5 |
| 122.5° | 86.0 | 86.6 | 88.9 | 92.2 | 98.1 | 108.0 | 122.5 | 140.4 | 165.5 | 197.7 | 232.8 |
| 125° | 92.1 | 93.3 | 95.1 | 98.4 | 104.3 | 114.3 | 128.0 | 144.8 | 167.0 | 195.2 | 227.3 |
| 127.5° | 97.9 | 98.8 | 101.0 | 104.9 | 111.0 | 120.7 | 133.6 | 148.6 | 167.7 | 192.0 | 220.2 |
| 130° | 100.9 | 102.0 | 104.4 | 109.1 | 114.9 | 124.8 | 137.1 | 150.8 | 168.4 | 190.1 | 215.7 |
| 132.5° | 104.2 | 105.0 | 108.3 | 112.6 | 119.0 | 128.2 | 140.1 | 153.4 | 169.2 | 188.5 | 211.8 |
| 135° | 108.3 | 109.6 | 112.7 | 118.1 | 124.7 | 133.2 | 144.3 | 156.3 | 169.9 | 185.7 | 205.5 |
| 137.5° | 112.9 | 114.0 | 117.3 | 122.4 | 129.2 | 137.1 | 147.1 | 158.0 | 169.9 | 183.6 | 200.1 |
| 140° | 116.2 | 117.1 | 120.4 | 125.6 | 132.2 | 139.7 | 149.3 | 159.5 | 170.3 | 182.4 | 197.2 |
| 142.5° | 119.4 | 120.3 | 123.5 | 128.6 | 134.9 | 142.2 | 151.3 | 160.6 | 170.8 | 181.7 | 194.8 |
| 145° | 124.3 | 125.1 | 128.2 | 132.5 | 138.4 | 145.3 | 153.5 | 162.0 | 171.1 | 180.9 | 191.5 |
| 147.5° | 129.9 | 130.1 | 132.8 | 137.2 | 142.1 | 148.3 | 156.0 | 163.5 | 171.5 | 179.8 | 188.7 |
| 150° | 133.4 | 133.7 | 136.1 | 139.7 | 144.4 | 150.3 | 157.3 | 164.2 | 171.5 | 179.0 | 186.9 |
| 152.5° | 136.3 | 136.4 | 138.9 | 142.4 | 146.6 | 152.1 | 158.3 | 164.7 | 170.9 | 177.7 | 184.9 |
| 155° | 140.9 | 141.2 | 143.1 | 146.2 | 149.7 | 154.4 | 159.8 | 165.1 | 170.2 | 175.8 | 181.8 |
| 157.5° | 145.3 | 145.3 | 147.1 | 149.5 | 152.6 | 156.3 | 160.9 | 165.1 | 169.3 | 173.9 | 178.8 |
| 160° | 148.1 | 148.1 | 149.4 | 151.6 | 154.1 | 157.6 | 161.4 | 165.1 | 168.6 | 172.4 | 176.5 |
| 162.5° | 150.6 | 150.4 | 151.4 | 153.4 | 155.6 | 158.4 | 161.8 | 165.1 | 167.8 | 170.9 | 174.5 |
| 165° | 153.5 | 153.5 | 154.1 | 155.7 | 157.3 | 159.2 | 162.0 | 164.5 | 166.4 | 168.6 | 171.1 |
| 167.5° | 156.3 | 156.0 | 156.3 | 157.5 | 158.4 | 159.9 | 161.9 | 163.7 | 164.9 | 166.3 | 168.1 |
| 170° | 157.6 | 157.3 | 157.6 | 158.5 | 159.2 | 160.1 | 161.7 | 163.3 | 163.9 | 164.8 | 166.1 |
| 172.5° | 158.8 | 158.5 | 158.5 | 159.3 | 159.6 | 160.3 | 161.4 | 162.7 | 162.9 | 163.3 | 164.3 |
| 175° | 160.1 | 159.8 | 159.8 | 160.1 | 160.4 | 160.4 | 161.0 | 162.0 | 161.7 | 161.7 | 162.3 |
| 177.5° | 160.7 | 160.4 | 160.2 | 160.4 | 160.4 | 160.4 | 160.7 | 161.1 | 160.7 | 160.7 | 161.0 |
| 180° | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 |



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 |
| 2.5° | 375.6 | 376.1 | 376.7 | 376.8 | 376.8 | 376.7 | 376.7 | 376.6 |
| 5° | 374.6 | 375.3 | 376.1 | 376.5 | 376.4 | 376.2 | 376.1 | 376.0 |
| 7.5° | 372.6 | 373.4 | 374.3 | 374.7 | 374.6 | 374.5 | 374.4 | 374.3 |
| 10° | 370.6 | 371.4 | 372.3 | 372.6 | 372.6 | 372.5 | 372.4 | 372.3 |
| 12.5° | 367.7 | 368.5 | 369.3 | 369.6 | 369.6 | 369.6 | 369.6 | 369.5 |
| 15° | 362.6 | 363.4 | 364.3 | 364.6 | 364.5 | 364.4 | 364.4 | 364.3 |
| 17.5° | 356.2 | 357.1 | 358.0 | 358.4 | 358.3 | 358.2 | 358.2 | 358.1 |
| 20° | 351.3 | 352.3 | 353.2 | 353.7 | 353.7 | 353.7 | 353.7 | 353.7 |
| 22.5° | 345.6 | 346.5 | 347.5 | 348.0 | 348.2 | 348.3 | 348.5 | 348.7 |
| 25° | 336.8 | 337.8 | 338.9 | 339.4 | 339.5 | 339.6 | 339.7 | 339.7 |
| 27.5° | 326.8 | 327.8 | 328.8 | 329.3 | 329.4 | 329.5 | 329.6 | 329.8 |
| 30° | 319.9 | 320.9 | 321.9 | 322.5 | 322.7 | 323.0 | 323.2 | 323.3 |
| 32.5° | 312.7 | 314.0 | 315.1 | 315.8 | 316.0 | 316.2 | 316.4 | 316.6 |
| 35° | 301.5 | 302.7 | 304.1 | 304.9 | 305.1 | 305.4 | 305.8 | 306.0 |
| 37.5° | 289.7 | 291.0 | 292.3 | 293.2 | 293.5 | 293.7 | 294.1 | 294.4 |
| 40° | 281.4 | 282.8 | 284.2 | 285.1 | 285.4 | 285.9 | 286.2 | 286.6 |
| 42.5° | 273.2 | 274.8 | 276.3 | 277.3 | 277.6 | 277.9 | 278.2 | 278.5 |
| 45° | 260.6 | 262.3 | 263.9 | 264.8 | 265.4 | 265.8 | 266.3 | 266.7 |
| 47.5° | 247.4 | 249.0 | 250.7 | 251.7 | 252.4 | 252.9 | 253.4 | 254.0 |
| 50° | 238.0 | 239.9 | 241.7 | 243.0 | 243.5 | 244.1 | 244.7 | 245.2 |
| 52.5° | 228.5 | 230.4 | 232.3 | 233.5 | 234.1 | 234.6 | 235.2 | 235.8 |
| 55° | 214.4 | 216.2 | 218.1 | 219.4 | 219.9 | 220.4 | 221.1 | 221.6 |
| 57.5° | 199.5 | 201.7 | 203.9 | 205.3 | 205.8 | 206.3 | 206.9 | 207.4 |
| 60° | 189.2 | 191.4 | 193.5 | 194.9 | 195.7 | 196.4 | 197.2 | 198.0 |
| 62.5° | 179.1 | 181.2 | 183.3 | 184.9 | 185.6 | 186.3 | 187.1 | 187.8 |
| 65° | 163.4 | 165.8 | 168.1 | 169.6 | 170.4 | 171.1 | 171.9 | 172.6 |
| 67.5° | 148.0 | 150.4 | 152.8 | 154.4 | 155.1 | 155.8 | 156.5 | 157.3 |
| 70° | 137.1 | 139.7 | 142.2 | 143.8 | 144.5 | 145.2 | 145.8 | 146.4 |
| 72.5° | 126.9 | 129.4 | 131.8 | 133.4 | 134.1 | 134.8 | 135.6 | 136.3 |
| 75° | 111.2 | 113.8 | 116.5 | 118.2 | 119.0 | 119.8 | 120.7 | 121.5 |
| 77.5° | 96.6 | 99.2 | 101.9 | 103.7 | 104.6 | 105.5 | 106.4 | 107.3 |
| 80° | 87.1 | 89.9 | 92.7 | 94.5 | 95.2 | 96.0 | 96.8 | 97.5 |
| 82.5° | 77.8 | 80.7 | 83.6 | 85.4 | 86.2 | 87.0 | 87.9 | 88.7 |
| 85° | 64.7 | 67.5 | 70.4 | 72.2 | 73.1 | 74.1 | 75.0 | 76.0 |
| 87.5° | 54.8 | 57.5 | 60.4 | 62.2 | 63.0 | 63.9 | 64.6 | 65.5 |
| 90° | 52.9 | 55.9 | 58.9 | 60.7 | 61.8 | 62.9 | 63.3 | 64.0 |
| 92.5° | 106.9 | 94.3 | 87.4 | 82.8 | 79.8 | 78.9 | 78.6 | 79.3 |
| 95° | 275.3 | 229.0 | 189.3 | 160.4 | 145.8 | 136.9 | 132.1 | 128.9 |
| 97.5° | 384.1 | 368.4 | 340.0 | 308.7 | 286.9 | 268.8 | 260.1 | 254.3 |
| 100° | 417.2 | 426.1 | 413.1 | 391.5 | 364.6 | 346.1 | 337.3 | 335.5 |
| 102.5° | 413.6 | 447.4 | 454.2 | 446.1 | 430.1 | 416.9 | 407.6 | 406.4 |
| 105° | 385.5 | 442.4 | 475.9 | 490.4 | 491.8 | 490.0 | 486.3 | 485.2 |
| 107.5° | 347.0 | 407.3 | 453.6 | 483.2 | 499.4 | 507.3 | 511.1 | 512.6 |
| 110° | 323.7 | 380.3 | 428.2 | 464.3 | 487.5 | 501.4 | 507.8 | 511.5 |



TEST NUMBER: P332495-940

CATALOG NUMBER: S124DIP-S350D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 305.9 | 356.2 | 401.5 | 437.6 | 463.8 | 480.5 | 489.2 | 494.5 |
| 115° | 287.4 | 328.2 | 367.2 | 398.8 | 424.4 | 443.9 | 454.7 | 457.9 |
| 117.5° | 276.9 | 310.9 | 341.9 | 368.8 | 390.8 | 407.5 | 418.4 | 421.2 |
| 120° | 271.5 | 302.6 | 329.8 | 353.5 | 372.2 | 386.8 | 395.7 | 399.9 |
| 122.5° | 266.8 | 296.9 | 321.8 | 342.7 | 358.6 | 371.0 | 378.6 | 382.8 |
| 125° | 259.3 | 288.2 | 311.7 | 330.2 | 343.4 | 353.1 | 359.6 | 362.1 |
| 127.5° | 250.3 | 277.9 | 301.2 | 318.9 | 332.2 | 340.9 | 346.6 | 349.2 |
| 130° | 243.5 | 270.2 | 293.3 | 311.1 | 324.6 | 333.1 | 338.6 | 341.1 |
| 132.5° | 236.7 | 261.7 | 284.3 | 302.1 | 315.3 | 324.8 | 330.1 | 332.6 |
| 135° | 226.8 | 248.8 | 269.5 | 286.2 | 299.4 | 308.8 | 314.4 | 316.9 |
| 137.5° | 217.9 | 236.7 | 254.2 | 269.4 | 281.7 | 290.8 | 295.4 | 298.2 |
| 140° | 212.9 | 228.9 | 244.3 | 258.4 | 269.8 | 277.2 | 282.1 | 285.2 |
| 142.5° | 208.4 | 222.5 | 235.7 | 247.9 | 258.1 | 264.9 | 269.2 | 271.3 |
| 145° | 202.2 | 213.5 | 223.5 | 232.8 | 241.0 | 246.7 | 250.3 | 252.3 |
| 147.5° | 197.2 | 205.7 | 213.4 | 220.4 | 226.6 | 231.5 | 234.2 | 235.1 |
| 150° | 194.5 | 201.7 | 208.0 | 213.7 | 218.7 | 222.8 | 224.7 | 225.0 |
| 152.5° | 191.7 | 198.0 | 203.8 | 208.4 | 212.7 | 216.0 | 217.1 | 217.5 |
| 155° | 187.5 | 192.5 | 197.2 | 201.1 | 204.2 | 206.7 | 207.7 | 207.7 |
| 157.5° | 183.1 | 187.3 | 191.3 | 194.3 | 196.6 | 198.6 | 199.1 | 199.1 |
| 160° | 180.3 | 183.7 | 187.2 | 189.8 | 191.6 | 193.5 | 193.9 | 193.9 |
| 162.5° | 177.5 | 180.5 | 183.2 | 185.5 | 186.8 | 188.7 | 189.0 | 188.8 |
| 165° | 173.6 | 175.6 | 177.7 | 179.3 | 180.6 | 181.8 | 181.6 | 181.2 |
| 167.5° | 170.0 | 171.4 | 173.2 | 174.1 | 174.7 | 175.6 | 175.5 | 175.2 |
| 170° | 167.6 | 168.6 | 169.9 | 170.9 | 171.5 | 171.7 | 171.5 | 171.5 |
| 172.5° | 165.7 | 166.3 | 167.1 | 167.8 | 168.2 | 168.4 | 168.2 | 167.6 |
| 175° | 162.9 | 163.3 | 163.9 | 163.9 | 163.9 | 164.5 | 163.9 | 163.3 |
| 177.5° | 161.1 | 161.4 | 161.4 | 161.7 | 161.4 | 161.7 | 161.1 | 160.7 |
| 180° | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 |

(END OF REPORT)