

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P583430

Luminaire Tested: **HC805D010-HM80520827-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC805D010-HM80520827-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

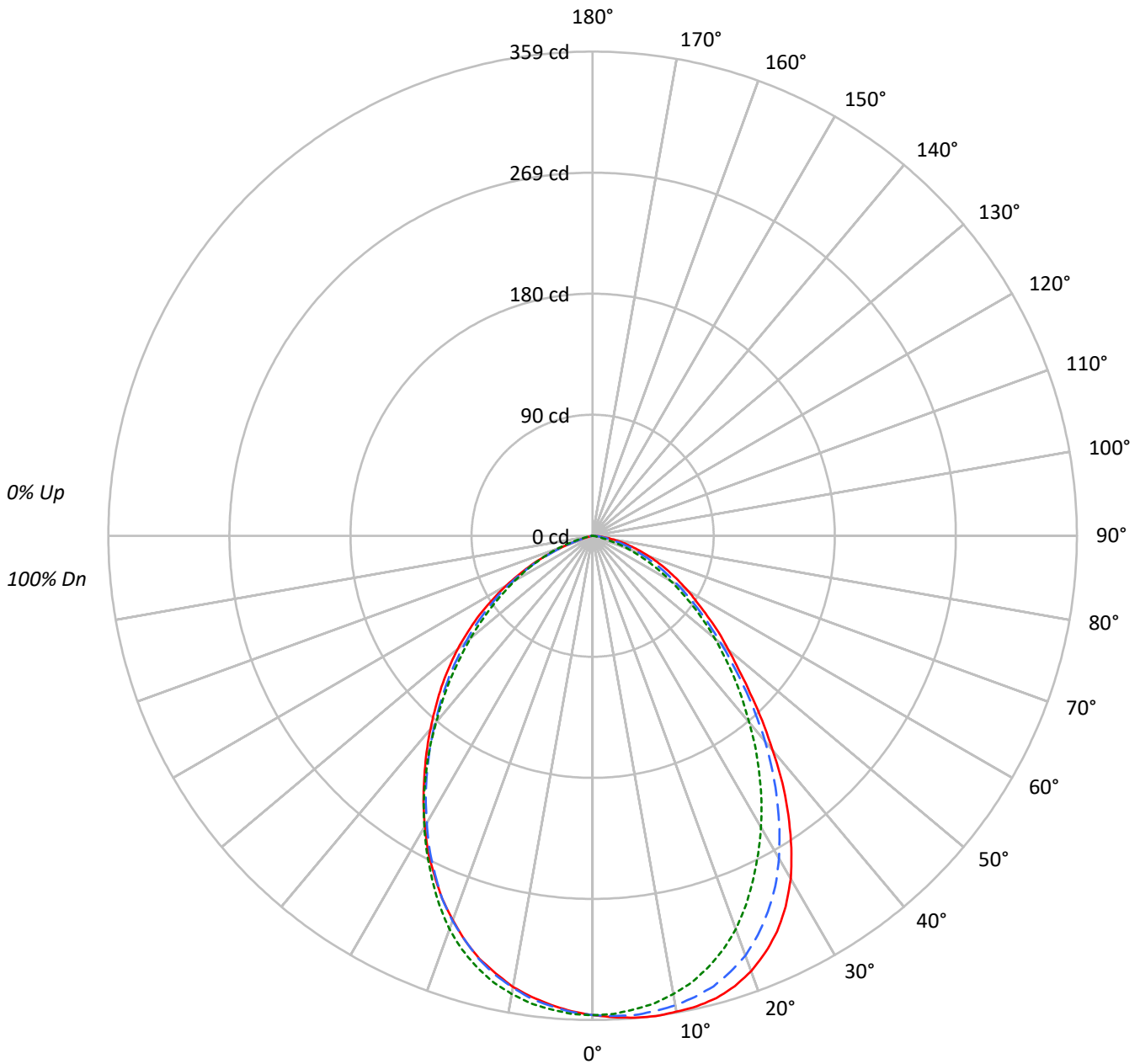
Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 82 | 87 | 84 | 81 | 84 | 82 | 79 | 77 | | | 77 |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 67 | | | 67 |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 59 | | | 59 |
| 5 | 81 | 70 | 62 | 56 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | 38 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | 35 |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 10959 | 10959 | 10959 |
| 5° | 11103 | 10911 | 10812 |
| 10° | 11219 | 10803 | 10637 |
| 15° | 11330 | 10573 | 10363 |
| 20° | 11272 | 10186 | 9950 |
| 25° | 11014 | 9574 | 9445 |
| 30° | 10458 | 8887 | 8852 |
| 35° | 9520 | 8112 | 8184 |
| 40° | 8345 | 7258 | 7527 |
| 45° | 7204 | 6459 | 6912 |
| 50° | 6304 | 5666 | 6260 |
| 55° | 5586 | 4871 | 5511 |
| 60° | 5032 | 4095 | 4564 |
| 65° | 4531 | 3291 | 3495 |
| 70° | 3985 | 2398 | 1920 |
| 75° | 3396 | 1239 | 512 |
| 80° | 2610 | 337 | 89 |
| 85° | 1698 | 0 | 0 |



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.5 | 5.0 |
| 10°-20° | 94.3 | 14.0 |
| 20°-30° | 133.8 | 19.8 |
| 30°-40° | 140.8 | 20.9 |
| 40°-50° | 119.8 | 17.7 |
| 50°-60° | 86.6 | 12.8 |
| 60°-70° | 49.2 | 7.3 |
| 70°-80° | 15.5 | 2.3 |
| 80°-90° | 1.9 | 0.3 |
| 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°-30° | 261.6 | 38.7 |
| 0°-40° | 402.4 | 59.6 |
| 0°-60° | 608.9 | 90.1 |
| 0°-90° | 675.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 675.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 355 | 355 | 355 | 355 | 355 | |
| 5° | 359 | 357 | 352 | 350 | 349 | 34 |
| 15° | 355 | 346 | 331 | 325 | 325 | 100 |
| 25° | 324 | 308 | 281 | 277 | 278 | 148 |
| 35° | 253 | 238 | 216 | 214 | 217 | 157 |
| 45° | 165 | 159 | 148 | 152 | 158 | 128 |
| 55° | 104 | 96 | 91 | 96 | 102 | 94 |
| 65° | 62 | 54 | 45 | 45 | 48 | 62 |
| 75° | 28 | 22 | 10 | 5 | 4 | 31 |
| 85° | 5 | 3 | 0 | 0 | 0 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 357.3 | 357.8 | 356.8 | 356.8 | 357.8 | 356.8 | 357.3 | 357.3 | 356.8 | 356.8 | 356.3 |
| 5° | 358.7 | 358.3 | 358.3 | 358.3 | 358.7 | 357.8 | 357.3 | 357.8 | 356.8 | 356.8 | 356.8 |
| 7.5° | 359.2 | 359.2 | 358.7 | 358.3 | 358.3 | 358.3 | 357.8 | 357.3 | 356.8 | 355.9 | 355.4 |
| 10° | 358.3 | 358.3 | 358.7 | 357.8 | 357.8 | 356.8 | 356.8 | 355.9 | 355.9 | 354.9 | 353.5 |
| 12.5° | 357.3 | 356.8 | 356.8 | 355.9 | 355.9 | 354.9 | 354.9 | 353.5 | 353.0 | 351.7 | 350.2 |
| 15° | 354.9 | 354.4 | 353.5 | 353.0 | 352.5 | 352.2 | 351.2 | 350.7 | 349.3 | 347.4 | 345.9 |
| 17.5° | 350.2 | 349.8 | 349.3 | 348.3 | 347.4 | 346.9 | 346.4 | 345.0 | 343.1 | 341.6 | 339.2 |
| 20° | 343.5 | 343.1 | 343.1 | 341.6 | 341.1 | 339.7 | 339.2 | 337.4 | 336.0 | 333.1 | 331.2 |
| 22.5° | 334.6 | 335.0 | 334.1 | 333.1 | 332.2 | 330.7 | 329.8 | 327.9 | 325.6 | 322.7 | 320.3 |
| 25° | 323.7 | 324.1 | 323.2 | 322.2 | 320.8 | 319.8 | 318.9 | 316.0 | 313.6 | 310.4 | 307.5 |
| 27.5° | 309.9 | 309.9 | 309.9 | 308.9 | 306.6 | 306.1 | 305.1 | 302.2 | 299.0 | 296.1 | 293.3 |
| 30° | 293.7 | 293.3 | 293.3 | 291.8 | 290.9 | 289.0 | 287.5 | 285.2 | 282.9 | 279.5 | 276.1 |
| 32.5° | 274.2 | 274.7 | 273.3 | 272.4 | 271.0 | 271.0 | 269.1 | 267.2 | 264.3 | 260.9 | 257.7 |
| 35° | 252.9 | 253.4 | 252.4 | 252.0 | 249.6 | 249.1 | 248.6 | 246.2 | 244.4 | 242.0 | 238.2 |
| 37.5° | 231.1 | 230.7 | 230.2 | 230.2 | 228.7 | 227.8 | 226.8 | 225.4 | 222.5 | 220.6 | 218.8 |
| 40° | 207.3 | 207.3 | 207.3 | 206.8 | 206.4 | 205.5 | 205.0 | 204.1 | 202.2 | 200.3 | 198.8 |
| 42.5° | 186.0 | 186.0 | 185.5 | 185.1 | 184.1 | 184.6 | 183.6 | 182.7 | 180.7 | 179.4 | 178.5 |
| 45° | 165.2 | 165.2 | 165.2 | 165.7 | 164.7 | 163.3 | 163.3 | 162.3 | 161.4 | 160.4 | 159.0 |
| 47.5° | 146.6 | 148.1 | 147.1 | 146.6 | 147.1 | 145.2 | 145.2 | 144.2 | 143.3 | 142.3 | 140.4 |
| 50° | 131.4 | 131.4 | 131.4 | 130.5 | 130.0 | 130.0 | 128.6 | 127.6 | 127.1 | 126.3 | 124.4 |
| 52.5° | 117.7 | 116.7 | 116.7 | 116.2 | 115.7 | 114.8 | 114.8 | 113.8 | 112.0 | 111.1 | 109.6 |
| 55° | 103.9 | 103.9 | 103.4 | 102.9 | 102.5 | 102.0 | 101.5 | 100.1 | 99.2 | 97.8 | 96.4 |
| 57.5° | 91.6 | 92.5 | 92.0 | 91.1 | 90.1 | 90.1 | 89.2 | 88.2 | 86.8 | 85.5 | 84.0 |
| 60° | 81.6 | 81.2 | 81.2 | 80.7 | 79.7 | 79.2 | 78.8 | 77.3 | 75.9 | 74.5 | 73.1 |
| 62.5° | 71.2 | 71.2 | 71.2 | 70.3 | 69.3 | 68.8 | 68.3 | 67.4 | 65.5 | 64.0 | 63.1 |
| 65° | 62.1 | 61.6 | 61.2 | 60.7 | 60.2 | 59.4 | 58.9 | 57.9 | 56.5 | 55.1 | 53.6 |
| 67.5° | 53.1 | 52.7 | 52.7 | 52.2 | 50.8 | 50.3 | 50.3 | 48.8 | 47.4 | 46.1 | 44.6 |
| 70° | 44.2 | 44.2 | 44.2 | 43.2 | 42.7 | 42.3 | 41.8 | 40.8 | 39.4 | 37.9 | 36.5 |
| 72.5° | 36.5 | 36.0 | 36.0 | 35.6 | 34.1 | 33.6 | 33.3 | 32.3 | 30.9 | 29.9 | 29.0 |
| 75° | 28.5 | 28.5 | 28.0 | 27.5 | 27.1 | 26.6 | 26.1 | 25.1 | 23.7 | 22.3 | 21.8 |
| 77.5° | 21.8 | 21.3 | 21.3 | 20.8 | 20.0 | 19.5 | 19.5 | 18.6 | 17.1 | 16.2 | 15.2 |
| 80° | 14.7 | 15.2 | 14.7 | 14.2 | 13.8 | 13.3 | 12.8 | 12.3 | 11.4 | 10.4 | 9.5 |
| 82.5° | 9.0 | 9.5 | 9.0 | 9.0 | 8.5 | 8.0 | 8.0 | 7.1 | 6.7 | 6.2 | 5.7 |
| 85° | 4.8 | 4.8 | 4.8 | 4.8 | 4.3 | 4.3 | 4.3 | 3.8 | 3.4 | 2.9 | 2.9 |
| 87.5° | 1.4 | 1.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 356.8 | 356.3 | 355.9 | 355.9 | 355.9 | 355.9 | 355.9 | 355.4 | 354.9 | 354.9 | 354.9 |
| 5° | 355.9 | 355.9 | 355.9 | 355.4 | 354.9 | 354.9 | 354.0 | 353.5 | 353.0 | 352.5 | 352.2 |
| 7.5° | 354.9 | 354.0 | 353.5 | 353.0 | 352.5 | 352.5 | 351.7 | 350.7 | 350.7 | 349.8 | 348.8 |
| 10° | 352.2 | 351.7 | 350.7 | 349.8 | 349.3 | 348.8 | 347.8 | 346.4 | 345.9 | 345.0 | 344.0 |
| 12.5° | 348.8 | 347.8 | 346.9 | 345.0 | 344.5 | 344.0 | 342.1 | 340.7 | 339.7 | 339.2 | 337.0 |
| 15° | 344.5 | 342.6 | 341.1 | 338.9 | 338.4 | 337.4 | 336.0 | 334.6 | 332.6 | 331.2 | 330.3 |
| 17.5° | 337.0 | 335.0 | 332.6 | 330.3 | 329.3 | 329.3 | 326.9 | 325.1 | 322.7 | 321.8 | 319.8 |
| 20° | 327.9 | 325.6 | 323.7 | 320.8 | 319.4 | 317.9 | 316.5 | 313.6 | 311.8 | 310.4 | 308.0 |
| 22.5° | 317.4 | 314.1 | 311.8 | 308.9 | 306.6 | 305.1 | 302.7 | 300.3 | 298.1 | 296.6 | 294.7 |
| 25° | 304.2 | 301.3 | 297.6 | 294.7 | 293.3 | 291.3 | 288.5 | 286.1 | 283.8 | 281.4 | 280.5 |
| 27.5° | 289.4 | 285.7 | 282.4 | 279.0 | 277.6 | 276.1 | 272.8 | 270.0 | 268.1 | 265.7 | 264.8 |
| 30° | 273.3 | 269.6 | 265.7 | 262.9 | 261.4 | 259.2 | 257.2 | 253.9 | 251.5 | 249.6 | 247.2 |
| 32.5° | 254.8 | 252.0 | 248.6 | 244.4 | 243.5 | 241.6 | 238.7 | 237.2 | 234.4 | 232.9 | 231.1 |
| 35° | 234.9 | 232.9 | 229.7 | 226.4 | 224.9 | 224.0 | 221.6 | 218.8 | 216.9 | 215.5 | 214.5 |
| 37.5° | 215.9 | 213.5 | 210.2 | 207.8 | 206.8 | 205.5 | 202.7 | 201.2 | 199.3 | 198.3 | 196.4 |
| 40° | 195.5 | 193.1 | 190.8 | 189.4 | 187.9 | 187.0 | 185.1 | 183.6 | 181.7 | 180.3 | 179.8 |
| 42.5° | 175.6 | 174.2 | 172.2 | 170.3 | 169.9 | 168.4 | 167.5 | 166.1 | 164.7 | 164.2 | 162.8 |
| 45° | 157.5 | 156.1 | 154.2 | 152.4 | 151.9 | 150.9 | 150.5 | 149.0 | 148.1 | 148.1 | 148.1 |
| 47.5° | 139.6 | 138.1 | 136.2 | 135.3 | 135.7 | 133.8 | 133.8 | 133.3 | 132.4 | 132.4 | 132.9 |
| 50° | 123.4 | 121.5 | 121.0 | 120.1 | 119.1 | 118.1 | 118.6 | 117.2 | 117.2 | 118.1 | 117.7 |
| 52.5° | 108.2 | 106.3 | 105.8 | 104.9 | 104.4 | 104.4 | 103.9 | 103.9 | 103.4 | 103.9 | 103.9 |
| 55° | 94.4 | 93.0 | 92.0 | 91.1 | 90.6 | 90.6 | 90.6 | 90.1 | 89.7 | 90.6 | 91.1 |
| 57.5° | 82.1 | 81.6 | 80.7 | 79.2 | 78.8 | 78.3 | 77.8 | 77.8 | 77.8 | 77.8 | 78.3 |
| 60° | 71.2 | 70.3 | 69.3 | 67.9 | 67.9 | 67.4 | 66.9 | 66.4 | 66.4 | 66.4 | 66.4 |
| 62.5° | 61.6 | 60.2 | 58.9 | 57.9 | 57.5 | 57.0 | 56.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 65° | 52.2 | 50.8 | 49.8 | 48.8 | 47.9 | 47.9 | 46.9 | 46.6 | 45.6 | 45.1 | 44.2 |
| 67.5° | 43.2 | 42.3 | 41.3 | 39.9 | 39.4 | 38.9 | 37.9 | 37.5 | 36.0 | 35.6 | 35.1 |
| 70° | 35.1 | 33.6 | 32.8 | 31.8 | 31.4 | 30.4 | 29.4 | 28.5 | 27.5 | 26.6 | 25.6 |
| 72.5° | 27.5 | 26.1 | 25.1 | 24.2 | 23.2 | 23.2 | 21.8 | 20.8 | 19.5 | 18.6 | 17.1 |
| 75° | 20.3 | 19.0 | 18.1 | 16.6 | 16.2 | 15.7 | 14.2 | 13.3 | 11.9 | 10.4 | 9.5 |
| 77.5° | 13.8 | 12.8 | 11.9 | 10.4 | 9.5 | 9.5 | 8.0 | 7.1 | 6.2 | 4.8 | 4.3 |
| 80° | 8.5 | 7.5 | 6.7 | 5.7 | 5.7 | 4.8 | 4.3 | 3.4 | 2.4 | 1.9 | 1.4 |
| 82.5° | 4.8 | 4.3 | 3.8 | 2.9 | 2.9 | 2.4 | 1.9 | 1.4 | 1.0 | 0.5 | 0.5 |
| 85° | 2.4 | 1.9 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 |
| 87.5° | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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 |



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 354.4 | 354.4 | 354.0 | 354.0 | 354.0 | 353.5 | 354.0 | 353.5 | 353.5 | 353.5 | 354.0 |
| 5° | 352.5 | 351.7 | 351.7 | 351.2 | 351.2 | 350.7 | 351.2 | 350.7 | 350.2 | 349.8 | 350.2 |
| 7.5° | 348.8 | 347.8 | 347.4 | 346.9 | 346.9 | 346.9 | 346.4 | 345.9 | 346.4 | 345.0 | 345.9 |
| 10° | 343.5 | 343.1 | 342.1 | 341.6 | 341.1 | 341.6 | 341.1 | 340.2 | 340.2 | 340.2 | 339.7 |
| 12.5° | 337.0 | 336.0 | 335.5 | 335.0 | 334.1 | 334.1 | 334.6 | 333.6 | 333.6 | 332.6 | 332.6 |
| 15° | 328.8 | 327.9 | 326.9 | 326.9 | 325.9 | 325.9 | 325.6 | 325.6 | 325.1 | 324.6 | 324.6 |
| 17.5° | 318.9 | 317.4 | 316.5 | 317.0 | 316.5 | 316.0 | 316.0 | 315.1 | 314.6 | 315.1 | 315.1 |
| 20° | 307.0 | 306.1 | 305.1 | 305.6 | 304.6 | 304.2 | 304.6 | 303.2 | 303.7 | 303.7 | 303.7 |
| 22.5° | 293.7 | 293.3 | 291.8 | 291.8 | 290.9 | 290.4 | 290.9 | 290.9 | 291.3 | 290.9 | 290.9 |
| 25° | 279.0 | 278.1 | 277.1 | 277.1 | 276.6 | 276.1 | 276.6 | 277.1 | 276.6 | 277.1 | 277.1 |
| 27.5° | 263.3 | 261.9 | 261.9 | 260.9 | 260.9 | 261.4 | 260.9 | 261.4 | 261.9 | 261.9 | 262.9 |
| 30° | 246.2 | 245.9 | 245.4 | 244.9 | 244.9 | 245.4 | 245.4 | 245.4 | 245.9 | 246.7 | 246.7 |
| 32.5° | 230.2 | 229.2 | 228.3 | 228.3 | 229.2 | 228.7 | 229.2 | 229.2 | 230.2 | 230.2 | 231.1 |
| 35° | 212.6 | 212.6 | 211.6 | 212.1 | 212.1 | 212.1 | 212.1 | 213.1 | 214.0 | 214.5 | 215.5 |
| 37.5° | 196.4 | 195.0 | 195.5 | 195.5 | 195.9 | 195.5 | 196.9 | 196.9 | 197.9 | 197.9 | 198.8 |
| 40° | 179.0 | 179.0 | 179.4 | 179.0 | 179.4 | 179.4 | 180.3 | 181.2 | 181.7 | 182.7 | 183.1 |
| 42.5° | 162.3 | 163.3 | 162.3 | 162.8 | 163.3 | 163.7 | 164.2 | 164.7 | 166.5 | 167.5 | 168.9 |
| 45° | 147.1 | 147.6 | 148.1 | 148.5 | 148.1 | 149.0 | 149.5 | 150.5 | 151.9 | 152.4 | 152.9 |
| 47.5° | 132.4 | 132.9 | 133.3 | 133.8 | 133.8 | 134.8 | 135.3 | 136.2 | 137.2 | 137.7 | 138.1 |
| 50° | 118.1 | 119.1 | 119.6 | 119.6 | 120.1 | 121.0 | 122.0 | 122.0 | 122.9 | 124.4 | 124.8 |
| 52.5° | 105.3 | 105.3 | 106.3 | 106.8 | 107.3 | 107.3 | 108.7 | 109.2 | 109.6 | 110.6 | 111.6 |
| 55° | 91.1 | 92.5 | 93.0 | 93.0 | 94.0 | 94.9 | 95.4 | 95.9 | 95.9 | 97.8 | 97.8 |
| 57.5° | 78.8 | 79.2 | 80.2 | 80.2 | 80.2 | 81.6 | 81.6 | 82.6 | 83.1 | 83.6 | 84.5 |
| 60° | 66.4 | 67.4 | 67.4 | 67.9 | 67.4 | 68.3 | 68.8 | 69.8 | 70.3 | 70.7 | 71.2 |
| 62.5° | 55.1 | 55.1 | 55.5 | 55.5 | 55.5 | 55.5 | 56.5 | 56.5 | 57.5 | 57.9 | 58.4 |
| 65° | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.6 | 44.6 | 45.6 |
| 67.5° | 34.1 | 33.6 | 32.8 | 33.3 | 32.8 | 32.8 | 32.3 | 32.3 | 32.8 | 32.8 | 33.6 |
| 70° | 24.7 | 24.2 | 23.2 | 23.2 | 22.7 | 22.3 | 21.8 | 21.3 | 20.8 | 20.8 | 20.8 |
| 72.5° | 16.2 | 15.2 | 13.8 | 13.3 | 13.3 | 12.3 | 11.4 | 10.9 | 10.9 | 10.9 | 10.9 |
| 75° | 8.0 | 7.1 | 6.2 | 5.7 | 5.7 | 4.8 | 5.3 | 4.8 | 4.8 | 4.8 | 4.8 |
| 77.5° | 3.4 | 2.4 | 1.9 | 1.9 | 1.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



TEST NUMBER: P583430

CATALOG NUMBER: HC805D010-HM80520827-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 353.5 | 353.5 | 352.5 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 |
| 5° | 349.3 | 349.8 | 349.3 | 349.8 | 349.8 | 349.3 | 349.3 | 349.3 |
| 7.5° | 345.0 | 345.5 | 345.0 | 345.5 | 345.5 | 345.5 | 345.0 | 345.0 |
| 10° | 339.7 | 339.7 | 339.7 | 339.7 | 339.7 | 339.2 | 339.7 | 339.7 |
| 12.5° | 332.6 | 332.6 | 332.6 | 333.1 | 333.1 | 332.6 | 332.6 | 332.2 |
| 15° | 325.1 | 324.1 | 324.6 | 325.1 | 324.6 | 324.6 | 324.6 | 324.6 |
| 17.5° | 314.6 | 315.1 | 314.6 | 314.6 | 314.6 | 314.6 | 315.1 | 314.6 |
| 20° | 303.7 | 303.7 | 304.2 | 303.7 | 303.7 | 303.7 | 303.7 | 303.2 |
| 22.5° | 291.3 | 290.9 | 290.9 | 291.3 | 291.3 | 290.9 | 291.3 | 291.3 |
| 25° | 277.6 | 278.1 | 277.6 | 277.6 | 278.1 | 278.1 | 278.1 | 277.6 |
| 27.5° | 262.9 | 263.3 | 263.8 | 263.3 | 263.3 | 263.3 | 263.8 | 264.3 |
| 30° | 247.7 | 248.6 | 247.7 | 247.7 | 248.6 | 248.1 | 248.6 | 248.6 |
| 32.5° | 231.6 | 232.9 | 232.1 | 232.9 | 232.9 | 233.4 | 232.9 | 233.4 |
| 35° | 215.5 | 216.9 | 216.9 | 216.9 | 217.4 | 217.9 | 217.9 | 217.4 |
| 37.5° | 200.3 | 200.7 | 200.7 | 201.7 | 202.2 | 202.7 | 202.7 | 202.2 |
| 40° | 184.6 | 185.5 | 186.0 | 186.0 | 186.0 | 187.0 | 187.9 | 187.0 |
| 42.5° | 169.4 | 169.9 | 170.3 | 170.3 | 171.3 | 171.8 | 172.2 | 172.2 |
| 45° | 154.7 | 155.6 | 156.1 | 156.6 | 157.0 | 158.0 | 157.5 | 158.5 |
| 47.5° | 139.6 | 140.9 | 141.4 | 141.8 | 142.8 | 143.3 | 143.8 | 144.2 |
| 50° | 125.8 | 126.6 | 126.6 | 127.6 | 129.0 | 129.0 | 130.0 | 130.5 |
| 52.5° | 112.0 | 112.5 | 113.0 | 113.4 | 114.3 | 115.3 | 115.3 | 116.2 |
| 55° | 98.8 | 99.2 | 99.2 | 99.7 | 100.1 | 102.0 | 102.5 | 102.5 |
| 57.5° | 85.0 | 85.0 | 85.9 | 86.4 | 86.8 | 87.7 | 87.7 | 87.7 |
| 60° | 71.7 | 72.2 | 72.2 | 72.7 | 73.1 | 74.0 | 74.5 | 74.0 |
| 62.5° | 58.4 | 58.9 | 58.9 | 59.4 | 60.2 | 60.7 | 60.2 | 60.2 |
| 65° | 46.1 | 46.6 | 46.6 | 46.9 | 47.9 | 47.9 | 47.4 | 47.9 |
| 67.5° | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 70° | 21.3 | 20.8 | 20.3 | 20.8 | 20.8 | 20.8 | 20.3 | 21.3 |
| 72.5° | 10.4 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.4 |
| 75° | 4.8 | 4.8 | 4.3 | 4.3 | 4.3 | 4.8 | 4.8 | 4.3 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 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 |



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)