

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: P583737

Luminaire Tested: **HC810D010-HM80520835-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC810D010-HM80520835-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1115.2 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

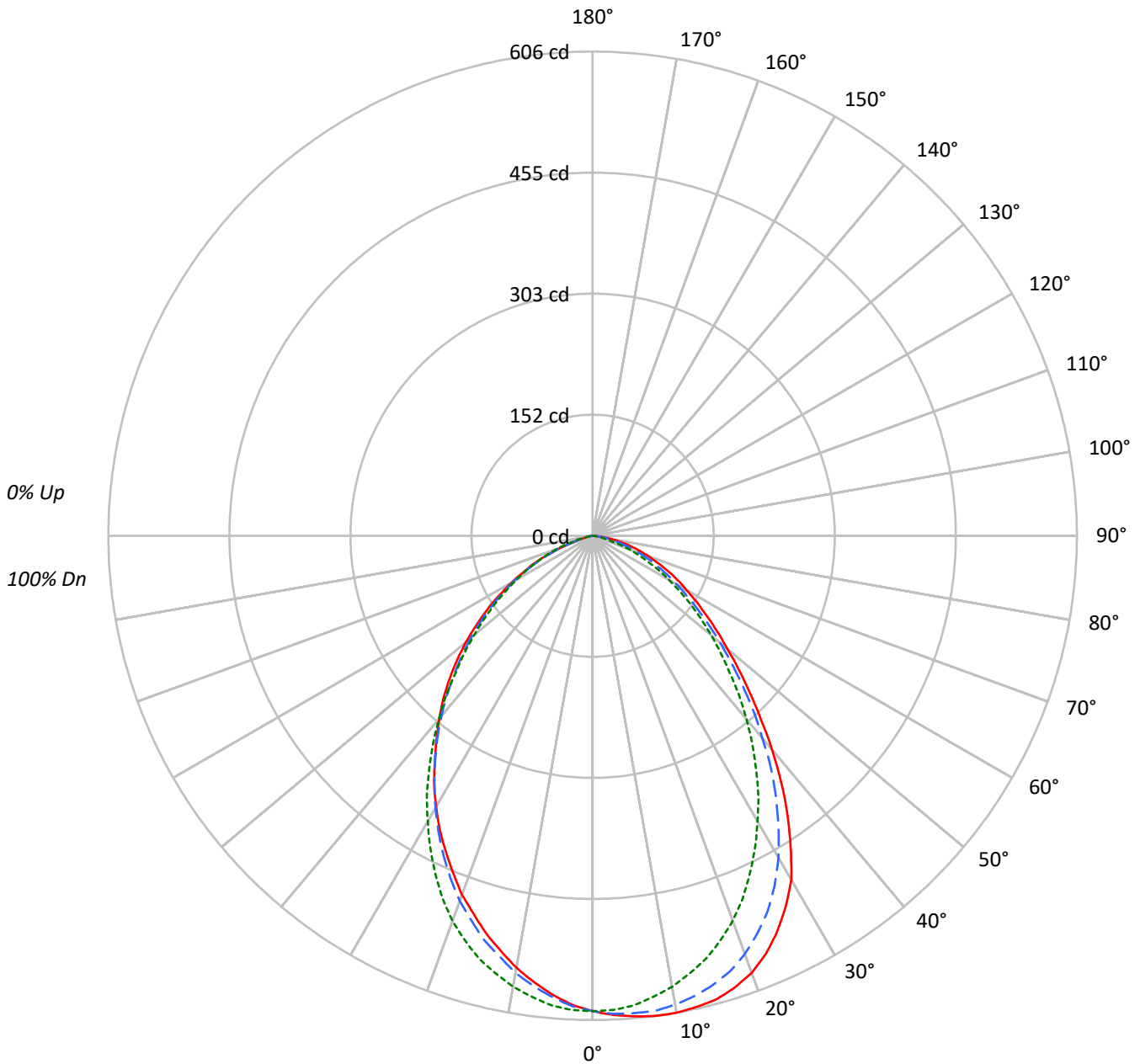
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|-----|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | 88 | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | | | 77 | | | | | | | | | | | | | | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | | | 67 | | | | | | | | | | | | | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | 59 | | | | | | | | | | | | | | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | 52 | | | | | | | | | | | | | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | 47 | | | | | | | | | | | | | | | |
| 7 | 71 | 58 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 49 | 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 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 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° | 18345 | 18345 | 18345 |
| 5° | 18690 | 18266 | 17842 |
| 10° | 18981 | 17945 | 17190 |
| 15° | 19170 | 17498 | 16444 |
| 20° | 19099 | 16824 | 15686 |
| 25° | 18594 | 15852 | 14807 |
| 30° | 17711 | 14691 | 13947 |
| 35° | 15991 | 13413 | 12953 |
| 40° | 14053 | 12040 | 12004 |
| 45° | 12128 | 10580 | 11037 |
| 50° | 10559 | 9278 | 9902 |
| 55° | 9354 | 8059 | 8618 |
| 60° | 8357 | 6815 | 7160 |
| 65° | 7523 | 5523 | 5647 |
| 70° | 6690 | 4138 | 3336 |
| 75° | 5755 | 2407 | 1442 |
| 80° | 4439 | 852 | 426 |
| 85° | 2866 | 283 | 283 |



TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.8 | 5.0 |
| 10°-20° | 155.5 | 13.9 |
| 20°-30° | 219.9 | 19.7 |
| 30°-40° | 231.7 | 20.8 |
| 40°-50° | 196.9 | 17.7 |
| 50°-60° | 141.8 | 12.7 |
| 60°-70° | 81.8 | 7.3 |
| 70°-80° | 28.0 | 2.5 |
| 80°-90° | 3.8 | 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° | 431.2 | 38.7 |
| 0°-40° | 662.9 | 59.4 |
| 0°-60° | 1001.6 | 89.8 |
| 0°-90° | 1115.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1115.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 595 | 595 | 595 | 595 | 595 | |
| 5° | 604 | 600 | 590 | 580 | 576 | 58 |
| 15° | 600 | 582 | 548 | 524 | 515 | 169 |
| 25° | 546 | 518 | 466 | 442 | 435 | 251 |
| 35° | 425 | 400 | 356 | 343 | 344 | 265 |
| 45° | 278 | 265 | 243 | 244 | 253 | 216 |
| 55° | 174 | 160 | 150 | 156 | 160 | 157 |
| 65° | 103 | 89 | 76 | 74 | 77 | 103 |
| 75° | 48 | 36 | 20 | 13 | 12 | 51 |
| 85° | 8 | 5 | 1 | 1 | 1 | 11 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 |
| 2.5° | 600.5 | 601.4 | 600.5 | 600.5 | 599.7 | 599.0 | 598.1 | 597.3 | 595.7 | 594.0 | 594.0 |
| 5° | 603.8 | 605.3 | 603.8 | 603.8 | 601.4 | 599.7 | 598.1 | 595.7 | 592.5 | 590.1 | 590.1 |
| 7.5° | 606.2 | 606.2 | 606.2 | 603.8 | 602.1 | 599.7 | 595.7 | 591.6 | 587.7 | 583.6 | 582.0 |
| 10° | 606.2 | 606.2 | 605.3 | 602.1 | 600.5 | 595.7 | 591.6 | 586.0 | 580.3 | 574.7 | 573.1 |
| 12.5° | 603.8 | 604.5 | 602.9 | 599.7 | 595.7 | 590.1 | 584.4 | 577.1 | 570.7 | 564.2 | 561.0 |
| 15° | 600.5 | 599.7 | 598.1 | 594.0 | 589.2 | 582.0 | 576.4 | 568.3 | 559.4 | 551.4 | 548.1 |
| 17.5° | 592.5 | 592.5 | 590.1 | 586.0 | 579.6 | 571.6 | 562.7 | 553.8 | 544.1 | 535.3 | 531.2 |
| 20° | 582.0 | 582.0 | 578.8 | 574.0 | 567.5 | 557.0 | 547.3 | 536.8 | 525.5 | 516.7 | 512.7 |
| 22.5° | 566.6 | 567.5 | 563.4 | 557.8 | 550.5 | 538.5 | 528.8 | 515.9 | 504.6 | 494.1 | 490.9 |
| 25° | 546.5 | 548.1 | 544.1 | 538.5 | 528.8 | 518.3 | 506.2 | 494.1 | 481.2 | 470.7 | 465.9 |
| 27.5° | 523.1 | 524.0 | 519.9 | 514.2 | 504.6 | 493.3 | 481.2 | 468.3 | 456.3 | 445.0 | 440.1 |
| 30° | 497.4 | 494.1 | 492.5 | 485.2 | 474.8 | 465.1 | 451.4 | 440.9 | 428.0 | 418.3 | 412.6 |
| 32.5° | 461.1 | 462.6 | 457.8 | 452.2 | 444.1 | 432.8 | 421.5 | 409.5 | 397.4 | 390.2 | 386.1 |
| 35° | 424.8 | 426.3 | 423.9 | 418.3 | 409.5 | 399.8 | 388.5 | 379.7 | 369.1 | 360.4 | 356.3 |
| 37.5° | 386.9 | 386.9 | 385.2 | 382.1 | 375.6 | 366.7 | 355.4 | 346.7 | 337.8 | 330.4 | 328.0 |
| 40° | 349.1 | 347.4 | 346.7 | 344.1 | 338.6 | 330.4 | 323.2 | 316.0 | 307.1 | 302.3 | 299.1 |
| 42.5° | 311.9 | 311.9 | 310.4 | 308.0 | 302.3 | 298.2 | 291.0 | 283.0 | 276.5 | 271.7 | 271.7 |
| 45° | 278.1 | 278.9 | 276.5 | 274.9 | 271.7 | 265.2 | 258.8 | 253.1 | 247.5 | 244.2 | 242.6 |
| 47.5° | 248.2 | 248.2 | 245.8 | 244.2 | 241.0 | 235.4 | 229.7 | 224.9 | 220.8 | 218.4 | 217.7 |
| 50° | 220.1 | 220.1 | 220.1 | 216.0 | 212.0 | 207.9 | 204.0 | 198.3 | 195.9 | 194.2 | 193.4 |
| 52.5° | 195.9 | 195.1 | 195.1 | 191.8 | 187.8 | 182.9 | 179.0 | 174.0 | 171.6 | 170.1 | 170.9 |
| 55° | 174.0 | 174.0 | 173.3 | 169.2 | 165.3 | 160.3 | 156.4 | 152.3 | 150.7 | 149.2 | 149.9 |
| 56° | 165.3 | 165.3 | 164.4 | 161.2 | 156.4 | 152.3 | 147.5 | 143.5 | 141.1 | 141.8 | 141.8 |
| 57° | 158.8 | 157.2 | 157.2 | 153.1 | 149.2 | 143.5 | 139.4 | 135.5 | 133.8 | 132.9 | 132.9 |
| 58° | 150.7 | 149.9 | 149.2 | 145.1 | 141.1 | 136.2 | 132.2 | 128.1 | 125.7 | 125.7 | 124.9 |
| 59° | 142.7 | 142.7 | 141.1 | 137.9 | 133.8 | 129.0 | 124.9 | 120.9 | 118.5 | 117.7 | 117.7 |
| 60° | 135.5 | 136.2 | 133.8 | 130.5 | 127.4 | 121.8 | 116.8 | 113.7 | 111.2 | 110.5 | 110.5 |
| 61° | 129.0 | 129.0 | 127.4 | 123.3 | 119.2 | 115.3 | 110.5 | 106.4 | 104.8 | 103.1 | 103.1 |
| 62° | 123.3 | 121.8 | 120.9 | 116.8 | 112.9 | 108.1 | 104.0 | 100.0 | 97.5 | 95.9 | 96.8 |
| 63° | 116.1 | 115.3 | 113.7 | 110.5 | 106.4 | 101.6 | 96.8 | 93.5 | 91.1 | 88.7 | 89.4 |
| 64° | 110.5 | 109.6 | 107.2 | 104.0 | 100.0 | 95.1 | 90.3 | 87.0 | 85.5 | 83.1 | 82.2 |
| 65° | 103.1 | 102.4 | 101.6 | 97.5 | 93.5 | 88.7 | 84.6 | 81.4 | 79.0 | 77.4 | 75.7 |
| 66° | 96.8 | 97.5 | 95.9 | 92.7 | 87.9 | 83.8 | 78.1 | 75.0 | 73.3 | 70.9 | 69.4 |
| 67° | 91.1 | 91.1 | 89.4 | 86.3 | 81.4 | 77.4 | 73.3 | 69.4 | 67.0 | 64.4 | 63.7 |
| 67.5° | 87.9 | 87.9 | 86.3 | 82.2 | 79.0 | 74.2 | 70.1 | 67.0 | 63.7 | 62.0 | 60.5 |
| 68° | 84.6 | 84.6 | 83.8 | 80.7 | 76.6 | 71.8 | 67.7 | 63.7 | 60.5 | 58.1 | 57.2 |
| 69° | 79.0 | 79.8 | 78.1 | 75.0 | 70.9 | 66.1 | 62.0 | 58.9 | 55.7 | 53.2 | 51.6 |
| 70° | 74.2 | 73.3 | 71.8 | 68.5 | 64.4 | 61.3 | 57.2 | 53.2 | 50.0 | 46.8 | 45.9 |
| 71° | 67.7 | 67.7 | 66.1 | 63.7 | 59.6 | 55.7 | 51.6 | 48.3 | 45.2 | 41.1 | 40.3 |
| 72° | 62.9 | 62.9 | 61.3 | 58.1 | 54.8 | 50.7 | 46.8 | 42.7 | 40.3 | 36.3 | 34.6 |
| 72.5° | 59.6 | 60.5 | 58.9 | 55.7 | 52.4 | 47.6 | 44.4 | 41.1 | 37.0 | 33.9 | 32.2 |
| 73° | 58.1 | 57.2 | 56.4 | 53.2 | 49.2 | 45.9 | 41.9 | 38.7 | 34.6 | 31.5 | 29.8 |



TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 36.3 | 36.3 | 35.5 | 32.2 | 29.0 | 25.8 | 22.6 | 19.4 | 16.1 | 12.9 | 11.3 |
| 80° | 25.0 | 25.8 | 24.2 | 22.6 | 20.2 | 16.9 | 13.7 | 11.3 | 8.1 | 6.5 | 4.8 |
| 82.5° | 16.1 | 16.1 | 15.3 | 13.7 | 12.1 | 9.6 | 8.1 | 5.6 | 4.1 | 3.2 | 2.4 |
| 85° | 8.1 | 8.9 | 8.1 | 7.2 | 5.6 | 4.8 | 4.1 | 2.4 | 1.6 | 0.8 | 0.8 |
| 87.5° | 3.2 | 3.2 | 3.2 | 2.4 | 2.4 | 1.6 | 0.8 | 0.8 | 0.8 | 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: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 | 594.9 |
| 2.5° | 592.5 | 592.5 | 590.8 | 590.1 | 589.2 | 588.4 | 587.7 | 586.8 | 586.8 | 587.7 |
| 5° | 587.7 | 586.0 | 582.7 | 582.0 | 579.6 | 578.8 | 577.1 | 576.4 | 577.1 | 576.4 |
| 7.5° | 580.3 | 577.1 | 573.1 | 571.6 | 568.3 | 566.6 | 564.2 | 564.2 | 562.7 | 563.4 |
| 10° | 570.7 | 565.9 | 561.0 | 557.8 | 555.3 | 552.9 | 551.4 | 549.7 | 549.0 | 549.0 |
| 12.5° | 558.6 | 552.9 | 548.1 | 543.3 | 539.2 | 537.7 | 534.4 | 534.4 | 532.8 | 532.0 |
| 15° | 544.9 | 537.7 | 532.0 | 527.2 | 524.0 | 520.7 | 518.3 | 516.7 | 515.1 | 515.1 |
| 17.5° | 527.2 | 520.7 | 515.1 | 509.4 | 504.6 | 502.2 | 499.8 | 497.4 | 497.4 | 495.7 |
| 20° | 507.8 | 500.5 | 495.7 | 490.1 | 486.1 | 482.0 | 478.8 | 478.8 | 477.2 | 478.0 |
| 22.5° | 486.1 | 477.2 | 472.4 | 468.3 | 464.3 | 461.1 | 457.8 | 457.8 | 457.0 | 456.3 |
| 25° | 461.9 | 454.6 | 448.9 | 444.1 | 441.7 | 438.5 | 437.6 | 436.1 | 435.2 | 435.2 |
| 27.5° | 436.1 | 430.4 | 423.2 | 420.8 | 417.6 | 415.9 | 415.9 | 415.2 | 413.5 | 414.3 |
| 30° | 408.7 | 402.2 | 398.2 | 396.5 | 393.4 | 393.4 | 392.6 | 390.9 | 390.9 | 391.7 |
| 32.5° | 382.1 | 375.6 | 372.4 | 371.5 | 368.4 | 368.4 | 367.6 | 368.4 | 368.4 | 369.1 |
| 35° | 353.0 | 347.4 | 346.7 | 344.1 | 343.4 | 343.4 | 343.4 | 345.0 | 346.7 | 344.1 |
| 37.5° | 325.6 | 321.7 | 319.3 | 318.4 | 319.3 | 319.3 | 320.0 | 322.4 | 321.7 | 320.8 |
| 40° | 297.5 | 294.2 | 292.6 | 292.6 | 294.2 | 295.8 | 295.8 | 298.2 | 299.1 | 298.2 |
| 42.5° | 269.2 | 266.8 | 266.8 | 267.6 | 269.2 | 270.1 | 272.5 | 274.9 | 275.6 | 276.5 |
| 45° | 242.6 | 242.6 | 242.6 | 243.4 | 244.2 | 245.8 | 249.1 | 251.5 | 252.3 | 253.1 |
| 47.5° | 216.8 | 216.0 | 218.4 | 219.2 | 221.6 | 222.5 | 224.9 | 228.1 | 228.9 | 229.7 |
| 50° | 192.7 | 194.2 | 195.1 | 197.5 | 199.1 | 199.1 | 202.3 | 204.0 | 206.4 | 206.4 |
| 52.5° | 170.1 | 172.5 | 173.3 | 175.7 | 176.6 | 177.3 | 179.0 | 181.4 | 182.9 | 182.9 |
| 55° | 149.9 | 150.7 | 152.3 | 153.1 | 155.5 | 156.4 | 157.9 | 158.8 | 161.2 | 160.3 |
| 56° | 141.1 | 142.7 | 143.5 | 145.1 | 146.6 | 147.5 | 149.2 | 149.9 | 151.6 | 152.3 |
| 57° | 132.9 | 133.8 | 136.2 | 137.0 | 138.6 | 138.6 | 139.4 | 141.8 | 141.8 | 142.7 |
| 58° | 124.9 | 126.6 | 127.4 | 128.1 | 129.8 | 130.5 | 132.2 | 132.9 | 133.8 | 132.9 |
| 59° | 117.7 | 118.5 | 119.2 | 119.2 | 120.9 | 120.9 | 123.3 | 124.9 | 125.7 | 125.7 |
| 60° | 110.5 | 110.5 | 111.2 | 112.0 | 113.7 | 114.4 | 114.4 | 116.1 | 116.1 | 116.1 |
| 61° | 103.1 | 103.1 | 104.0 | 104.8 | 105.5 | 105.5 | 107.2 | 107.2 | 108.1 | 108.8 |
| 62° | 96.8 | 95.9 | 95.9 | 96.8 | 96.8 | 98.3 | 99.2 | 100.0 | 100.7 | 100.0 |
| 63° | 89.4 | 88.7 | 88.7 | 88.7 | 88.7 | 90.3 | 90.3 | 91.1 | 92.7 | 91.8 |
| 64° | 81.4 | 81.4 | 81.4 | 81.4 | 82.2 | 82.2 | 83.8 | 84.6 | 85.5 | 86.3 |
| 65° | 75.7 | 74.2 | 73.3 | 73.3 | 74.2 | 75.0 | 75.7 | 76.6 | 77.4 | 77.4 |
| 66° | 69.4 | 67.7 | 67.0 | 67.0 | 67.0 | 67.0 | 68.5 | 68.5 | 70.1 | 70.1 |
| 67° | 62.0 | 60.5 | 59.6 | 58.9 | 58.9 | 58.9 | 61.3 | 60.5 | 60.5 | 60.5 |
| 67.5° | 59.6 | 57.2 | 56.4 | 55.7 | 54.8 | 56.4 | 55.7 | 56.4 | 56.4 | 55.7 |
| 68° | 56.4 | 54.8 | 53.2 | 51.6 | 51.6 | 51.6 | 52.4 | 53.2 | 52.4 | 51.6 |
| 69° | 50.0 | 49.2 | 46.8 | 45.2 | 44.4 | 45.2 | 44.4 | 45.2 | 44.4 | 45.2 |
| 70° | 44.4 | 41.9 | 39.5 | 38.7 | 37.9 | 37.9 | 37.9 | 37.0 | 37.9 | 37.0 |
| 71° | 38.7 | 36.3 | 33.9 | 32.2 | 31.5 | 31.5 | 30.7 | 31.5 | 30.7 | 31.5 |
| 72° | 33.1 | 30.7 | 27.4 | 25.8 | 25.8 | 25.8 | 25.8 | 25.0 | 25.8 | 25.0 |
| 72.5° | 30.7 | 27.4 | 25.0 | 23.3 | 22.6 | 22.6 | 22.6 | 22.6 | 21.8 | 22.6 |
| 73° | 28.2 | 25.0 | 21.8 | 20.9 | 20.9 | 20.9 | 20.2 | 19.4 | 20.2 | 20.2 |



TEST NUMBER: P583737

CATALOG NUMBER: HC810D010-HM80520835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-----|------|------|------|------|------|------|------|------|------|
| 77.5° | 9.6 | 7.2 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 5.6 | 5.6 |
| 80° | 4.1 | 3.2 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 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 |



Report Generated By 670245859 / DESKTOP-HRDQ47P





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







| | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|
| 74° | 52.4 | 52.4 | 50.7 | 48.3 | 44.4 | 40.3 | 37.0 | 33.9 | 29.8 | 25.8 | 24.2 |
| 75° | 48.3 | 47.6 | 45.9 | 43.5 | 40.3 | 36.3 | 33.1 | 29.0 | 25.8 | 21.8 | 20.2 |





| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 23.3 | 19.4 | 17.8 | 16.1 | 16.1 | 16.1 | 15.3 | 15.3 | 15.3 | 16.1 |
| 75° | 18.5 | 15.3 | 13.7 | 12.1 | 12.9 | 12.1 | 12.9 | 12.1 | 12.1 | 12.1 |



(END OF REPORT)