

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P583771

Luminaire Tested: **HCC8S10D010BZ-HM80520927-81RWWH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583771  
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: HCC8S10D010BZ-HM80520927-81RWWH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

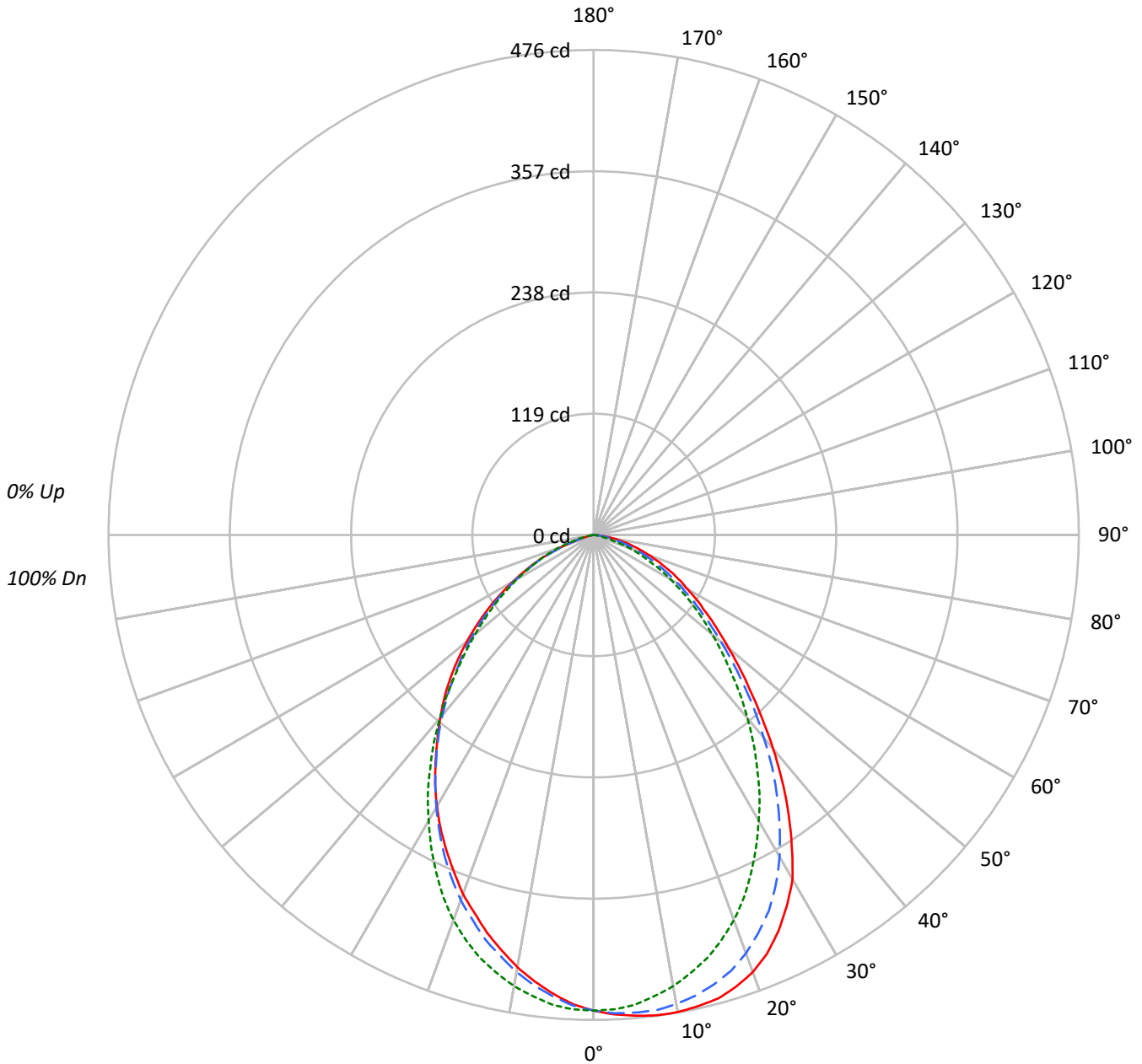
Lumens per Lamp: N/A  
Luminaire Lumens: 875.1 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P583771  
CATALOG NUMBER: HCC8S10D010BZ-HM80520927-81RWWH

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



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**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 |    |    |    |  |  |  |  |   |
| 1   | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |    |  |  |  |  |   |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  |    |    |    |  |  |  |  |   |
| 3   | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |    |  |  |  |  |   |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |    |  |  |  |  |   |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 62  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |    |  |  |  |  |   |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 54  | 49  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |    |  |  |  |  |   |
| 7   | 71  | 58  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 49  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |    |  |  |  |  |   |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |    |    |    |  |  |  |  |   |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 35  |    |    |    |  |  |  |  |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |    |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 14397 | 14397 | 14397 |
| 5°  | 14663 | 14332 | 13997 |
| 10° | 14892 | 14081 | 13489 |
| 15° | 15043 | 13731 | 12904 |
| 20° | 14983 | 13202 | 12306 |
| 25° | 14593 | 12439 | 11623 |
| 30° | 13897 | 11529 | 10946 |
| 35° | 12547 | 10525 | 10168 |
| 40° | 11026 | 9444  | 9419  |
| 45° | 9516  | 8303  | 8661  |
| 50° | 8285  | 7282  | 7767  |
| 55° | 7349  | 6328  | 6763  |
| 60° | 6556  | 5347  | 5618  |
| 65° | 5910  | 4341  | 4429  |
| 70° | 5247  | 3255  | 2624  |
| 75° | 4527  | 1894  | 1132  |
| 80° | 3481  | 675   | 337   |
| 85° | 2264  | 212   | 212   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.8   | 5.0       |
| 10°-20°   | 122.0  | 13.9      |
| 20°-30°   | 172.5  | 19.7      |
| 30°-40°   | 181.8  | 20.8      |
| 40°-50°   | 154.5  | 17.7      |
| 50°-60°   | 111.3  | 12.7      |
| 60°-70°   | 64.2   | 7.3       |
| 70°-80°   | 21.9   | 2.5       |
| 80°-90°   | 3.0    | 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°    | 338.3  | 38.7      |
| 0°-40°    | 520.2  | 59.4      |
| 0°-60°    | 785.9  | 89.8      |
| 0°-90°    | 875.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 875.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 467 | 467 | 467 | 467  | 467  |      |
| 5°  | 474 | 471 | 463 | 455  | 452  | 45   |
| 15° | 471 | 457 | 430 | 411  | 404  | 133  |
| 25° | 429 | 407 | 366 | 347  | 342  | 197  |
| 35° | 333 | 314 | 280 | 270  | 270  | 208  |
| 45° | 218 | 208 | 190 | 192  | 199  | 170  |
| 55° | 137 | 126 | 118 | 122  | 126  | 123  |
| 65° | 81  | 70  | 60  | 58   | 61   | 81   |
| 75° | 38  | 28  | 16  | 10   | 10   | 40   |
| 85° | 6   | 4   | 1   | 1    | 1    | 9    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P583771

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 |
| 2.5°  | 471.2 | 471.9 | 471.2 | 471.2 | 470.6 | 470.0 | 469.4 | 468.7 | 467.5 | 466.1 | 466.1 |
| 5°    | 473.7 | 475.0 | 473.7 | 473.7 | 471.9 | 470.6 | 469.4 | 467.5 | 464.9 | 463.0 | 463.0 |
| 7.5°  | 475.6 | 475.6 | 475.6 | 473.7 | 472.5 | 470.6 | 467.5 | 464.2 | 461.1 | 458.0 | 456.6 |
| 10°   | 475.6 | 475.6 | 475.0 | 472.5 | 471.2 | 467.5 | 464.2 | 459.9 | 455.4 | 451.0 | 449.7 |
| 12.5° | 473.7 | 474.4 | 473.1 | 470.6 | 467.5 | 463.0 | 458.6 | 452.9 | 447.9 | 442.8 | 440.2 |
| 15°   | 471.2 | 470.6 | 469.4 | 466.1 | 462.4 | 456.6 | 452.2 | 445.9 | 439.0 | 432.6 | 430.1 |
| 17.5° | 464.9 | 464.9 | 463.0 | 459.9 | 454.8 | 448.5 | 441.5 | 434.5 | 427.0 | 420.0 | 416.9 |
| 20°   | 456.6 | 456.6 | 454.1 | 450.4 | 445.3 | 437.0 | 429.5 | 421.3 | 412.4 | 405.4 | 402.3 |
| 22.5° | 444.6 | 445.3 | 442.1 | 437.6 | 432.0 | 422.5 | 414.9 | 404.8 | 395.9 | 387.8 | 385.2 |
| 25°   | 428.9 | 430.1 | 427.0 | 422.5 | 414.9 | 406.8 | 397.3 | 387.8 | 377.7 | 369.4 | 365.6 |
| 27.5° | 410.5 | 411.1 | 408.0 | 403.5 | 395.9 | 387.0 | 377.7 | 367.5 | 358.0 | 349.2 | 345.3 |
| 30°   | 390.3 | 387.8 | 386.4 | 380.8 | 372.5 | 364.9 | 354.2 | 345.9 | 335.8 | 328.3 | 323.8 |
| 32.5° | 361.8 | 363.1 | 359.3 | 354.8 | 348.5 | 339.7 | 330.8 | 321.3 | 311.8 | 306.1 | 303.0 |
| 35°   | 333.3 | 334.6 | 332.7 | 328.3 | 321.3 | 313.7 | 304.8 | 297.9 | 289.7 | 282.7 | 279.6 |
| 37.5° | 303.6 | 303.6 | 302.3 | 299.8 | 294.7 | 287.8 | 279.0 | 272.0 | 265.0 | 259.4 | 257.5 |
| 40°   | 273.9 | 272.6 | 272.0 | 270.1 | 265.6 | 259.4 | 253.6 | 248.0 | 241.0 | 237.2 | 234.6 |
| 42.5° | 244.7 | 244.7 | 243.5 | 241.6 | 237.2 | 234.0 | 228.4 | 222.0 | 217.0 | 213.1 | 213.1 |
| 45°   | 218.2 | 218.9 | 217.0 | 215.6 | 213.1 | 208.1 | 203.0 | 198.6 | 194.1 | 191.6 | 190.4 |
| 47.5° | 194.8 | 194.8 | 192.9 | 191.6 | 189.1 | 184.7 | 180.3 | 176.5 | 173.3 | 171.4 | 170.8 |
| 50°   | 172.7 | 172.7 | 172.7 | 169.5 | 166.4 | 163.2 | 160.0 | 155.7 | 153.7 | 152.4 | 151.8 |
| 52.5° | 153.7 | 153.0 | 153.0 | 150.5 | 147.4 | 143.6 | 140.4 | 136.7 | 134.7 | 133.4 | 134.1 |
| 55°   | 136.7 | 136.7 | 135.9 | 132.8 | 129.7 | 125.8 | 122.7 | 119.6 | 118.3 | 117.1 | 117.7 |
| 56°   | 129.7 | 129.7 | 129.0 | 126.5 | 122.7 | 119.6 | 115.8 | 112.6 | 110.7 | 111.3 | 111.3 |
| 57°   | 124.6 | 123.3 | 123.3 | 120.2 | 117.1 | 112.6 | 109.4 | 106.3 | 105.1 | 104.3 | 104.3 |
| 58°   | 118.3 | 117.7 | 117.1 | 113.8 | 110.7 | 106.9 | 103.7 | 100.6 | 98.7  | 98.7  | 98.1  |
| 59°   | 111.9 | 111.9 | 110.7 | 108.2 | 105.1 | 101.2 | 98.1  | 94.8  | 93.0  | 92.3  | 92.3  |
| 60°   | 106.3 | 106.9 | 105.1 | 102.4 | 99.9  | 95.6  | 91.7  | 89.2  | 87.3  | 86.7  | 86.7  |
| 61°   | 101.2 | 101.2 | 99.9  | 96.8  | 93.6  | 90.4  | 86.7  | 83.5  | 82.2  | 81.0  | 81.0  |
| 62°   | 96.8  | 95.6  | 94.8  | 91.7  | 88.6  | 84.7  | 81.6  | 78.5  | 76.6  | 75.2  | 75.8  |
| 63°   | 91.1  | 90.4  | 89.2  | 86.7  | 83.5  | 79.7  | 75.8  | 73.3  | 71.5  | 69.6  | 70.2  |
| 64°   | 86.7  | 86.1  | 84.1  | 81.6  | 78.5  | 74.6  | 70.8  | 68.3  | 67.1  | 65.1  | 64.5  |
| 65°   | 81.0  | 80.3  | 79.7  | 76.6  | 73.3  | 69.6  | 66.5  | 63.8  | 62.0  | 60.7  | 59.5  |
| 66°   | 75.8  | 76.6  | 75.2  | 72.7  | 69.0  | 65.7  | 61.3  | 58.8  | 57.6  | 55.7  | 54.5  |
| 67°   | 71.5  | 71.5  | 70.2  | 67.7  | 63.8  | 60.7  | 57.6  | 54.5  | 52.5  | 50.6  | 50.0  |
| 67.5° | 69.0  | 69.0  | 67.7  | 64.5  | 62.0  | 58.2  | 55.1  | 52.5  | 50.0  | 48.7  | 47.5  |
| 68°   | 66.5  | 66.5  | 65.7  | 63.2  | 60.1  | 56.3  | 53.1  | 50.0  | 47.5  | 45.6  | 45.0  |
| 69°   | 62.0  | 62.6  | 61.3  | 58.8  | 55.7  | 51.9  | 48.7  | 46.2  | 43.6  | 41.7  | 40.5  |
| 70°   | 58.2  | 57.6  | 56.3  | 53.7  | 50.6  | 48.1  | 45.0  | 41.7  | 39.2  | 36.7  | 36.1  |
| 71°   | 53.1  | 53.1  | 51.9  | 50.0  | 46.8  | 43.6  | 40.5  | 38.0  | 35.5  | 32.2  | 31.6  |
| 72°   | 49.3  | 49.3  | 48.1  | 45.6  | 43.0  | 39.9  | 36.7  | 33.5  | 31.6  | 28.5  | 27.2  |
| 72.5° | 46.8  | 47.5  | 46.2  | 43.6  | 41.1  | 37.3  | 34.7  | 32.2  | 29.1  | 26.6  | 25.2  |
| 73°   | 45.6  | 45.0  | 44.2  | 41.7  | 38.6  | 36.1  | 32.9  | 30.4  | 27.2  | 24.6  | 23.4  |



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 CATALOG NUMBER: HCC8S10D010BZ-HM80520927-81RWWH

**CANDELA DISTRIBUTION (continued):**

|       | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|-----|
| 77.5° | 28.5 | 28.5 | 27.9 | 25.2 | 22.7 | 20.2 | 17.7 | 15.1 | 12.6 | 10.1 | 8.9 |
| 80°   | 19.6 | 20.2 | 19.0 | 17.7 | 15.9 | 13.3 | 10.7 | 8.9  | 6.4  | 5.0  | 3.8 |
| 82.5° | 12.6 | 12.6 | 12.0 | 10.7 | 9.5  | 7.6  | 6.4  | 4.4  | 3.1  | 2.5  | 1.9 |
| 85°   | 6.4  | 7.0  | 6.4  | 5.6  | 4.4  | 3.8  | 3.1  | 1.9  | 1.3  | 0.6  | 0.6 |
| 87.5° | 2.5  | 2.5  | 2.5  | 1.9  | 1.9  | 1.3  | 0.6  | 0.6  | 0.6  | 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 |



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**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 |
| 2.5°  | 464.9 | 464.9 | 463.6 | 463.0 | 462.4 | 461.7 | 461.1 | 460.5 | 460.5 | 461.1 |
| 5°    | 461.1 | 459.9 | 457.4 | 456.6 | 454.8 | 454.1 | 452.9 | 452.2 | 452.9 | 452.2 |
| 7.5°  | 455.4 | 452.9 | 449.7 | 448.5 | 445.9 | 444.6 | 442.8 | 442.8 | 441.5 | 442.1 |
| 10°   | 447.9 | 444.0 | 440.2 | 437.6 | 435.8 | 433.9 | 432.6 | 431.4 | 430.8 | 430.8 |
| 12.5° | 438.4 | 433.9 | 430.1 | 426.3 | 423.1 | 421.9 | 419.4 | 419.4 | 418.1 | 417.5 |
| 15°   | 427.6 | 421.9 | 417.5 | 413.6 | 411.1 | 408.6 | 406.8 | 405.4 | 404.2 | 404.2 |
| 17.5° | 413.6 | 408.6 | 404.2 | 399.8 | 395.9 | 394.0 | 392.2 | 390.3 | 390.3 | 389.0 |
| 20°   | 398.5 | 392.8 | 389.0 | 384.5 | 381.4 | 378.3 | 375.7 | 375.7 | 374.4 | 375.0 |
| 22.5° | 381.4 | 374.4 | 370.7 | 367.5 | 364.3 | 361.8 | 359.3 | 359.3 | 358.7 | 358.0 |
| 25°   | 362.4 | 356.8 | 352.3 | 348.5 | 346.7 | 344.1 | 343.4 | 342.2 | 341.6 | 341.6 |
| 27.5° | 342.2 | 337.8 | 332.1 | 330.2 | 327.7 | 326.3 | 326.3 | 325.7 | 324.5 | 325.1 |
| 30°   | 320.7 | 315.6 | 312.5 | 311.2 | 308.7 | 308.7 | 308.1 | 306.8 | 306.8 | 307.4 |
| 32.5° | 299.8 | 294.7 | 292.2 | 291.6 | 289.1 | 289.1 | 288.5 | 289.1 | 289.1 | 289.7 |
| 35°   | 277.1 | 272.6 | 272.0 | 270.1 | 269.5 | 269.5 | 269.5 | 270.7 | 272.0 | 270.1 |
| 37.5° | 255.5 | 252.4 | 250.5 | 249.9 | 250.5 | 250.5 | 251.1 | 253.0 | 252.4 | 251.7 |
| 40°   | 233.4 | 230.9 | 229.6 | 229.6 | 230.9 | 232.1 | 232.1 | 234.0 | 234.6 | 234.0 |
| 42.5° | 211.3 | 209.4 | 209.4 | 210.0 | 211.3 | 211.9 | 213.8 | 215.6 | 216.4 | 217.0 |
| 45°   | 190.4 | 190.4 | 190.4 | 191.0 | 191.6 | 192.9 | 195.4 | 197.4 | 198.0 | 198.6 |
| 47.5° | 170.2 | 169.5 | 171.4 | 172.0 | 173.9 | 174.5 | 176.5 | 179.0 | 179.6 | 180.3 |
| 50°   | 151.2 | 152.4 | 153.0 | 154.9 | 156.3 | 156.3 | 158.8 | 160.0 | 161.9 | 161.9 |
| 52.5° | 133.4 | 135.3 | 135.9 | 137.9 | 138.5 | 139.2 | 140.4 | 142.3 | 143.6 | 143.6 |
| 55°   | 117.7 | 118.3 | 119.6 | 120.2 | 122.1 | 122.7 | 123.9 | 124.6 | 126.5 | 125.8 |
| 56°   | 110.7 | 111.9 | 112.6 | 113.8 | 115.2 | 115.8 | 117.1 | 117.7 | 118.9 | 119.6 |
| 57°   | 104.3 | 105.1 | 106.9 | 107.6 | 108.8 | 108.8 | 109.4 | 111.3 | 111.3 | 111.9 |
| 58°   | 98.1  | 99.3  | 99.9  | 100.6 | 101.8 | 102.4 | 103.7 | 104.3 | 105.1 | 104.3 |
| 59°   | 92.3  | 93.0  | 93.6  | 93.6  | 94.8  | 94.8  | 96.8  | 98.1  | 98.7  | 98.7  |
| 60°   | 86.7  | 86.7  | 87.3  | 87.9  | 89.2  | 89.8  | 89.8  | 91.1  | 91.1  | 91.1  |
| 61°   | 81.0  | 81.0  | 81.6  | 82.2  | 82.8  | 82.8  | 84.1  | 84.1  | 84.7  | 85.3  |
| 62°   | 75.8  | 75.2  | 75.2  | 75.8  | 75.8  | 77.2  | 77.8  | 78.5  | 79.1  | 78.5  |
| 63°   | 70.2  | 69.6  | 69.6  | 69.6  | 69.6  | 70.8  | 70.8  | 71.5  | 72.7  | 72.1  |
| 64°   | 63.8  | 63.8  | 63.8  | 63.8  | 64.5  | 64.5  | 65.7  | 66.5  | 67.1  | 67.7  |
| 65°   | 59.5  | 58.2  | 57.6  | 57.6  | 58.2  | 58.8  | 59.5  | 60.1  | 60.7  | 60.7  |
| 66°   | 54.5  | 53.1  | 52.5  | 52.5  | 52.5  | 52.5  | 53.7  | 53.7  | 55.1  | 55.1  |
| 67°   | 48.7  | 47.5  | 46.8  | 46.2  | 46.2  | 46.2  | 48.1  | 47.5  | 47.5  | 47.5  |
| 67.5° | 46.8  | 45.0  | 44.2  | 43.6  | 43.0  | 44.2  | 43.6  | 44.2  | 44.2  | 43.6  |
| 68°   | 44.2  | 43.0  | 41.7  | 40.5  | 40.5  | 40.5  | 41.1  | 41.7  | 41.1  | 40.5  |
| 69°   | 39.2  | 38.6  | 36.7  | 35.5  | 34.7  | 35.5  | 34.7  | 35.5  | 34.7  | 35.5  |
| 70°   | 34.7  | 32.9  | 31.0  | 30.4  | 29.7  | 29.7  | 29.7  | 29.1  | 29.7  | 29.1  |
| 71°   | 30.4  | 28.5  | 26.6  | 25.2  | 24.6  | 24.6  | 24.0  | 24.6  | 24.0  | 24.6  |
| 72°   | 26.0  | 24.0  | 21.5  | 20.2  | 20.2  | 20.2  | 20.2  | 19.6  | 20.2  | 19.6  |
| 72.5° | 24.0  | 21.5  | 19.6  | 18.4  | 17.7  | 17.7  | 17.7  | 17.7  | 17.1  | 17.7  |
| 73°   | 22.1  | 19.6  | 17.1  | 16.5  | 16.5  | 16.5  | 15.9  | 15.1  | 15.9  | 15.9  |





TEST NUMBER: P583771  
CATALOG NUMBER: HCC8S10D010BZ-HM80520927-81RWWH

**CANDELA DISTRIBUTION (continued):**

|       | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-----|------|------|------|------|------|------|------|------|------|
| 77.5° | 7.6 | 5.6  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 4.4  | 4.4  |
| 80°   | 3.1 | 2.5  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  |
| 82.5° | 1.3 | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 85°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 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  |

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

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|     |      |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|------|
| 74° | 41.1 | 41.1 | 39.9 | 38.0 | 34.7 | 31.6 | 29.1 | 26.6 | 23.4 | 20.2 | 19.0 |
| 75° | 38.0 | 37.3 | 36.1 | 34.1 | 31.6 | 28.5 | 26.0 | 22.7 | 20.2 | 17.1 | 15.9 |

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|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 18.4 | 15.1 | 13.9 | 12.6 | 12.6 | 12.6 | 12.0 | 12.0 | 12.0 | 12.6 |
| 75° | 14.5 | 12.0 | 10.7 | 9.5  | 10.1 | 9.5  | 10.1 | 9.5  | 9.5  | 9.5  |

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(END OF REPORT)