

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: HALO COMMERCIAL

Report Number: P238375

Luminaire Tested: **PRS620D010-S6M12-61SWWMB**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P238375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-584-28)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS620D010-S6M12-61SWWMB
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" WALL WASH DISTRIBUTION, WW TRIM MATTE BLACK
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.1 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.02 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

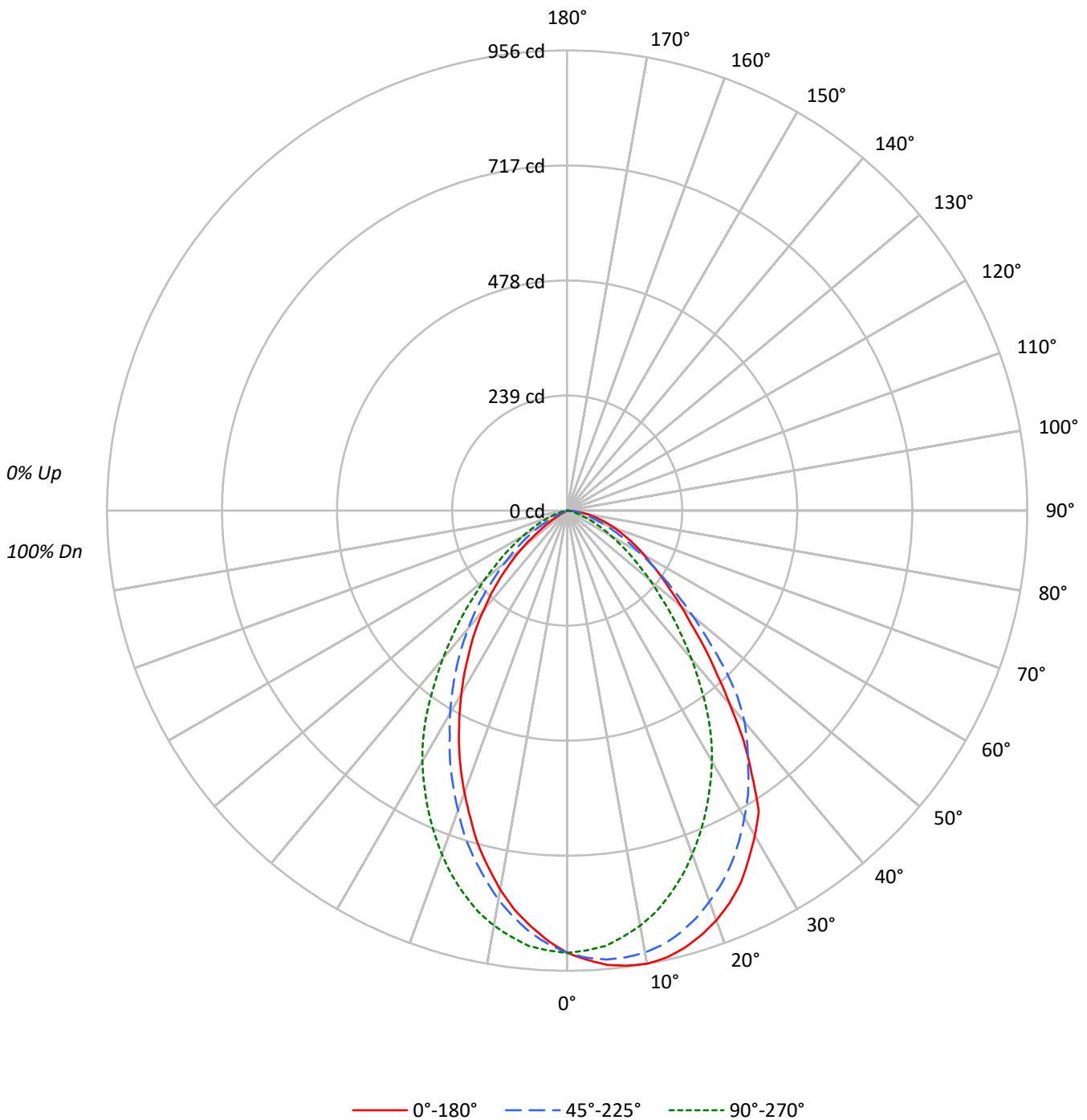
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P238375

CATALOG NUMBER: PRS620D010-S6M12-61SWWMB

Luminous Intensity Polar Plot





TEST NUMBER: P238375

CATALOG NUMBER: PRS620D010-S6M12-61SWWMB

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 | 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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | | 89 | | | |
| 2 | 104 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 90 | 80 | 72 | 67 | 88 | 78 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 | | | | | 56 | | | |
| 6 | 78 | 67 | 59 | 53 | 76 | 66 | 59 | 53 | 64 | 58 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 | | | | | 50 | | | |
| 7 | 73 | 61 | 54 | 48 | 71 | 61 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 47 | 46 | | | | | 46 | | | |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 54 | 48 | 43 | 52 | 47 | 43 | 42 | | | | | 42 | | | |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | | | 38 | | | |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 | | | | | 35 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 39564 | 39564 | 39564 |
| 5° | 40938 | 39248 | 37463 |
| 10° | 41792 | 38277 | 34950 |
| 15° | 41927 | 36796 | 31955 |
| 20° | 41507 | 34836 | 28568 |
| 25° | 40556 | 32509 | 25283 |
| 30° | 38774 | 29919 | 21816 |
| 35° | 35169 | 26607 | 18496 |
| 40° | 29547 | 22589 | 15142 |
| 45° | 24606 | 18651 | 11770 |
| 50° | 20664 | 14991 | 8292 |
| 55° | 17941 | 11905 | 4406 |
| 60° | 15905 | 9162 | 1119 |
| 65° | 14385 | 6856 | 0 |
| 70° | 13130 | 4645 | 0 |
| 75° | 11562 | 2895 | 0 |
| 80° | 10240 | 1612 | 0 |
| 85° | 7509 | 0 | 0 |



TEST NUMBER: P238375

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.6 | 5.9 |
| 10°-20° | 232.1 | 15.9 |
| 20°-30° | 316.3 | 21.6 |
| 30°-40° | 322.9 | 22.1 |
| 40°-50° | 249.6 | 17.1 |
| 50°-60° | 150.7 | 10.3 |
| 60°-70° | 72.3 | 4.9 |
| 70°-80° | 28.0 | 1.9 |
| 80°-90° | 5.6 | 0.4 |
| 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° | 634.0 | 43.3 |
| 0°-40° | 956.9 | 65.4 |
| 0°-60° | 1357.2 | 92.8 |
| 0°-90° | 1463.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1463.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 919 | 919 | 919 | 919 | 919 | |
| 5° | 947 | 936 | 908 | 880 | 867 | 91 |
| 15° | 941 | 908 | 826 | 747 | 717 | 265 |
| 25° | 854 | 808 | 684 | 576 | 532 | 391 |
| 35° | 669 | 656 | 506 | 402 | 352 | 415 |
| 45° | 404 | 460 | 306 | 241 | 193 | 314 |
| 55° | 239 | 246 | 159 | 113 | 59 | 215 |
| 65° | 141 | 120 | 67 | 26 | 0 | 141 |
| 75° | 70 | 50 | 17 | 0 | 0 | 75 |
| 85° | 15 | 9 | 0 | 0 | 0 | 19 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P238375

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 |
| 2.5° | 934.1 | 934.1 | 934.1 | 934.1 | 934.1 | 934.1 | 934.1 | 932.0 | 932.0 | 929.8 | 929.8 |
| 5° | 947.2 | 947.2 | 947.2 | 945.0 | 945.0 | 942.8 | 942.8 | 940.6 | 940.6 | 936.3 | 936.3 |
| 7.5° | 953.7 | 953.7 | 953.7 | 951.5 | 951.5 | 949.3 | 949.3 | 947.2 | 942.8 | 940.6 | 936.3 |
| 10° | 955.9 | 955.9 | 953.7 | 953.7 | 949.3 | 949.3 | 949.3 | 945.0 | 940.6 | 936.3 | 932.0 |
| 12.5° | 951.5 | 949.3 | 949.3 | 947.2 | 945.0 | 942.8 | 940.6 | 938.5 | 934.1 | 927.6 | 923.3 |
| 15° | 940.6 | 940.6 | 940.6 | 938.5 | 934.1 | 932.0 | 932.0 | 927.6 | 921.1 | 914.6 | 908.1 |
| 17.5° | 925.4 | 925.4 | 925.4 | 923.3 | 918.9 | 916.7 | 914.6 | 910.2 | 903.7 | 897.2 | 888.5 |
| 20° | 905.9 | 905.9 | 903.7 | 901.5 | 897.2 | 897.2 | 895.0 | 888.5 | 882.0 | 873.3 | 864.6 |
| 22.5° | 882.0 | 882.0 | 879.8 | 877.6 | 873.3 | 871.1 | 869.0 | 862.4 | 855.9 | 847.2 | 838.5 |
| 25° | 853.7 | 851.6 | 849.4 | 847.2 | 845.1 | 840.7 | 838.5 | 834.2 | 827.7 | 816.8 | 808.1 |
| 27.5° | 816.8 | 816.8 | 814.6 | 812.5 | 810.3 | 808.1 | 806.0 | 799.4 | 792.9 | 782.1 | 773.4 |
| 30° | 779.9 | 779.9 | 777.7 | 775.5 | 773.4 | 771.2 | 766.9 | 760.3 | 756.0 | 747.3 | 736.4 |
| 32.5° | 740.8 | 738.6 | 738.6 | 738.6 | 734.3 | 734.3 | 729.9 | 723.4 | 714.7 | 708.2 | 699.5 |
| 35° | 669.1 | 671.3 | 673.4 | 680.0 | 682.1 | 686.5 | 686.5 | 684.3 | 675.6 | 666.9 | 656.1 |
| 37.5° | 601.8 | 597.4 | 603.9 | 608.3 | 617.0 | 621.3 | 623.5 | 632.2 | 636.5 | 625.6 | 614.8 |
| 40° | 525.7 | 530.1 | 534.4 | 540.9 | 549.6 | 551.8 | 558.3 | 564.8 | 575.7 | 580.0 | 573.5 |
| 42.5° | 460.5 | 460.5 | 467.1 | 473.6 | 480.1 | 486.6 | 493.1 | 501.8 | 514.9 | 521.4 | 523.5 |
| 45° | 404.1 | 401.9 | 404.1 | 412.8 | 421.4 | 425.8 | 430.1 | 441.0 | 454.0 | 462.7 | 460.5 |
| 47.5° | 349.8 | 351.9 | 356.3 | 360.6 | 365.0 | 369.3 | 373.7 | 386.7 | 395.4 | 397.5 | 395.4 |
| 50° | 308.5 | 306.3 | 310.7 | 312.8 | 319.3 | 321.5 | 325.9 | 332.4 | 338.9 | 341.1 | 341.1 |
| 52.5° | 269.4 | 271.5 | 271.5 | 273.7 | 278.1 | 280.2 | 282.4 | 288.9 | 288.9 | 291.1 | 288.9 |
| 55° | 239.0 | 236.8 | 239.0 | 241.1 | 243.3 | 245.5 | 247.7 | 247.7 | 247.7 | 247.7 | 245.5 |
| 57.5° | 208.5 | 208.5 | 210.7 | 210.7 | 212.9 | 215.1 | 215.1 | 212.9 | 212.9 | 208.5 | 206.4 |
| 60° | 184.7 | 184.7 | 184.7 | 184.7 | 186.8 | 186.8 | 186.8 | 182.5 | 178.1 | 178.1 | 171.6 |
| 62.5° | 162.9 | 160.8 | 162.9 | 162.9 | 162.9 | 160.8 | 158.6 | 154.2 | 152.1 | 147.7 | 143.4 |
| 65° | 141.2 | 141.2 | 141.2 | 141.2 | 139.0 | 139.0 | 136.9 | 132.5 | 128.2 | 126.0 | 119.5 |
| 67.5° | 121.7 | 121.7 | 121.7 | 121.7 | 119.5 | 117.3 | 115.1 | 110.8 | 106.4 | 104.3 | 97.8 |
| 70° | 104.3 | 102.1 | 102.1 | 102.1 | 99.9 | 97.8 | 95.6 | 93.4 | 89.1 | 84.7 | 80.4 |
| 72.5° | 86.9 | 86.9 | 84.7 | 84.7 | 82.6 | 80.4 | 78.2 | 76.0 | 71.7 | 67.3 | 63.0 |
| 75° | 69.5 | 69.5 | 69.5 | 67.3 | 65.2 | 65.2 | 63.0 | 58.7 | 56.5 | 52.1 | 50.0 |
| 77.5° | 56.5 | 54.3 | 54.3 | 52.1 | 50.0 | 50.0 | 47.8 | 45.6 | 43.4 | 41.3 | 36.9 |
| 80° | 41.3 | 41.3 | 41.3 | 39.1 | 36.9 | 36.9 | 34.8 | 32.6 | 30.4 | 28.2 | 26.1 |
| 82.5° | 28.2 | 28.2 | 28.2 | 26.1 | 26.1 | 23.9 | 23.9 | 21.7 | 21.7 | 19.6 | 17.4 |
| 85° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 13.0 | 13.0 | 13.0 | 10.9 | 10.9 | 8.7 |
| 87.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 2.2 | 2.2 |
| 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: P238375

CATALOG NUMBER: PRS620D010-S6M12-61SWWMB

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 |
| 2.5° | 927.6 | 927.6 | 925.4 | 923.3 | 923.3 | 921.1 | 918.9 | 918.9 | 916.7 | 914.6 | 912.4 |
| 5° | 932.0 | 929.8 | 925.4 | 923.3 | 921.1 | 921.1 | 916.7 | 912.4 | 910.2 | 908.1 | 903.7 |
| 7.5° | 932.0 | 927.6 | 923.3 | 918.9 | 916.7 | 914.6 | 908.1 | 903.7 | 899.4 | 892.9 | 888.5 |
| 10° | 927.6 | 921.1 | 914.6 | 908.1 | 905.9 | 901.5 | 895.0 | 890.7 | 882.0 | 875.5 | 869.0 |
| 12.5° | 916.7 | 910.2 | 901.5 | 892.9 | 888.5 | 884.2 | 875.5 | 869.0 | 860.3 | 853.7 | 845.1 |
| 15° | 901.5 | 892.9 | 884.2 | 875.5 | 869.0 | 866.8 | 855.9 | 845.1 | 836.4 | 825.5 | 814.6 |
| 17.5° | 879.8 | 871.1 | 860.3 | 851.6 | 845.1 | 840.7 | 827.7 | 816.8 | 806.0 | 795.1 | 784.2 |
| 20° | 855.9 | 845.1 | 834.2 | 821.2 | 816.8 | 810.3 | 797.3 | 784.2 | 771.2 | 760.3 | 747.3 |
| 22.5° | 827.7 | 816.8 | 803.8 | 792.9 | 784.2 | 777.7 | 764.7 | 749.5 | 736.4 | 723.4 | 710.4 |
| 25° | 795.1 | 784.2 | 771.2 | 758.2 | 749.5 | 743.0 | 727.8 | 712.5 | 699.5 | 684.3 | 671.3 |
| 27.5° | 762.5 | 749.5 | 736.4 | 719.1 | 712.5 | 703.9 | 688.6 | 673.4 | 658.2 | 643.0 | 627.8 |
| 30° | 725.6 | 710.4 | 697.3 | 680.0 | 673.4 | 664.8 | 647.4 | 632.2 | 617.0 | 601.8 | 584.4 |
| 32.5° | 686.5 | 671.3 | 656.1 | 640.9 | 632.2 | 623.5 | 608.3 | 590.9 | 571.3 | 556.1 | 543.1 |
| 35° | 643.0 | 630.0 | 614.8 | 597.4 | 586.5 | 577.9 | 556.1 | 538.8 | 519.2 | 506.2 | 491.0 |
| 37.5° | 603.9 | 586.5 | 567.0 | 545.3 | 534.4 | 523.5 | 501.8 | 484.4 | 469.2 | 451.9 | 438.8 |
| 40° | 556.1 | 536.6 | 514.9 | 488.8 | 482.3 | 471.4 | 451.9 | 432.3 | 417.1 | 401.9 | 388.9 |
| 42.5° | 504.0 | 482.3 | 462.7 | 441.0 | 430.1 | 419.3 | 399.7 | 380.2 | 365.0 | 351.9 | 338.9 |
| 45° | 451.9 | 432.3 | 410.6 | 388.9 | 378.0 | 369.3 | 349.8 | 332.4 | 319.3 | 306.3 | 295.4 |
| 47.5° | 393.2 | 380.2 | 360.6 | 341.1 | 328.0 | 319.3 | 304.1 | 288.9 | 273.7 | 260.7 | 254.2 |
| 50° | 336.7 | 328.0 | 312.8 | 293.3 | 284.6 | 275.9 | 258.5 | 245.5 | 234.6 | 223.8 | 215.1 |
| 52.5° | 284.6 | 278.1 | 267.2 | 249.8 | 243.3 | 232.4 | 219.4 | 208.5 | 197.7 | 189.0 | 182.5 |
| 55° | 241.1 | 232.4 | 223.8 | 212.9 | 204.2 | 199.9 | 184.7 | 176.0 | 167.3 | 158.6 | 152.1 |
| 57.5° | 199.9 | 195.5 | 186.8 | 178.1 | 171.6 | 165.1 | 154.2 | 145.6 | 139.0 | 130.3 | 126.0 |
| 60° | 169.4 | 160.8 | 154.2 | 145.6 | 141.2 | 136.9 | 128.2 | 119.5 | 113.0 | 106.4 | 102.1 |
| 62.5° | 139.0 | 132.5 | 126.0 | 117.3 | 115.1 | 110.8 | 104.3 | 95.6 | 91.2 | 84.7 | 80.4 |
| 65° | 115.1 | 108.6 | 104.3 | 95.6 | 93.4 | 89.1 | 82.6 | 76.0 | 71.7 | 67.3 | 63.0 |
| 67.5° | 93.4 | 89.1 | 82.6 | 76.0 | 73.9 | 69.5 | 63.0 | 58.7 | 54.3 | 50.0 | 47.8 |
| 70° | 76.0 | 71.7 | 65.2 | 58.7 | 56.5 | 54.3 | 47.8 | 45.6 | 41.3 | 36.9 | 34.8 |
| 72.5° | 60.8 | 56.5 | 50.0 | 45.6 | 43.4 | 41.3 | 36.9 | 32.6 | 30.4 | 26.1 | 23.9 |
| 75° | 45.6 | 41.3 | 36.9 | 32.6 | 30.4 | 30.4 | 26.1 | 23.9 | 21.7 | 17.4 | 15.2 |
| 77.5° | 34.8 | 30.4 | 26.1 | 23.9 | 21.7 | 19.6 | 17.4 | 15.2 | 13.0 | 10.9 | 8.7 |
| 80° | 23.9 | 21.7 | 17.4 | 15.2 | 15.2 | 13.0 | 10.9 | 10.9 | 8.7 | 6.5 | 4.3 |
| 82.5° | 15.2 | 13.0 | 10.9 | 8.7 | 8.7 | 8.7 | 6.5 | 4.3 | 4.3 | 4.3 | 2.2 |
| 85° | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 | 4.3 | 2.2 | 2.2 | 2.2 | 0.0 | 0.0 |
| 87.5° | 2.2 | 2.2 | 0.0 | 2.2 | 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: P238375

CATALOG NUMBER: PRS620D010-S6M12-61SWWMB

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 |
| 2.5° | 912.4 | 910.2 | 908.1 | 908.1 | 905.9 | 905.9 | 903.7 | 903.7 | 901.5 | 901.5 | 899.4 |
| 5° | 899.4 | 897.2 | 892.9 | 892.9 | 890.7 | 888.5 | 884.2 | 882.0 | 879.8 | 877.6 | 875.5 |
| 7.5° | 884.2 | 877.6 | 873.3 | 871.1 | 869.0 | 864.6 | 860.3 | 855.9 | 851.6 | 849.4 | 845.1 |
| 10° | 860.3 | 853.7 | 849.4 | 847.2 | 842.9 | 836.4 | 832.0 | 825.5 | 821.2 | 816.8 | 812.5 |
| 12.5° | 836.4 | 827.7 | 819.0 | 816.8 | 812.5 | 803.8 | 799.4 | 790.8 | 784.2 | 779.9 | 775.5 |
| 15° | 806.0 | 797.3 | 786.4 | 782.1 | 779.9 | 769.0 | 762.5 | 756.0 | 747.3 | 740.8 | 736.4 |
| 17.5° | 771.2 | 762.5 | 751.6 | 745.1 | 740.8 | 732.1 | 721.2 | 714.7 | 708.2 | 697.3 | 693.0 |
| 20° | 736.4 | 723.4 | 712.5 | 708.2 | 701.7 | 690.8 | 682.1 | 673.4 | 662.6 | 656.1 | 647.4 |
| 22.5° | 695.2 | 684.3 | 671.3 | 664.8 | 660.4 | 647.4 | 638.7 | 627.8 | 619.1 | 612.6 | 601.8 |
| 25° | 658.2 | 643.0 | 630.0 | 623.5 | 617.0 | 606.1 | 593.1 | 584.4 | 575.7 | 567.0 | 558.3 |
| 27.5° | 614.8 | 599.6 | 586.5 | 582.2 | 575.7 | 560.5 | 551.8 | 538.8 | 527.9 | 521.4 | 512.7 |
| 30° | 571.3 | 556.1 | 543.1 | 536.6 | 530.1 | 517.0 | 506.2 | 495.3 | 486.6 | 477.9 | 469.2 |
| 32.5° | 527.9 | 514.9 | 501.8 | 495.3 | 488.8 | 475.8 | 464.9 | 451.9 | 443.2 | 432.3 | 423.6 |
| 35° | 477.9 | 464.9 | 454.0 | 447.5 | 443.2 | 432.3 | 421.4 | 410.6 | 401.9 | 391.0 | 382.3 |
| 37.5° | 425.8 | 412.8 | 406.2 | 399.7 | 395.4 | 386.7 | 378.0 | 369.3 | 360.6 | 351.9 | 341.1 |
| 40° | 375.8 | 369.3 | 356.3 | 354.1 | 349.8 | 341.1 | 334.5 | 325.9 | 319.3 | 310.7 | 302.0 |
| 42.5° | 330.2 | 319.3 | 310.7 | 308.5 | 304.1 | 297.6 | 291.1 | 284.6 | 280.2 | 271.5 | 265.0 |
| 45° | 286.8 | 278.1 | 269.4 | 265.0 | 262.9 | 256.3 | 249.8 | 245.5 | 241.1 | 234.6 | 228.1 |
| 47.5° | 245.5 | 236.8 | 230.3 | 228.1 | 223.8 | 219.4 | 212.9 | 208.5 | 202.0 | 197.7 | 191.2 |
| 50° | 208.5 | 202.0 | 195.5 | 193.3 | 189.0 | 186.8 | 180.3 | 176.0 | 169.4 | 162.9 | 158.6 |
| 52.5° | 176.0 | 169.4 | 165.1 | 162.9 | 160.8 | 154.2 | 149.9 | 145.6 | 139.0 | 134.7 | 128.2 |
| 55° | 145.6 | 141.2 | 136.9 | 134.7 | 132.5 | 128.2 | 123.8 | 117.3 | 113.0 | 106.4 | 99.9 |
| 57.5° | 119.5 | 115.1 | 110.8 | 108.6 | 106.4 | 102.1 | 97.8 | 93.4 | 86.9 | 80.4 | 73.9 |
| 60° | 95.6 | 93.4 | 89.1 | 86.9 | 84.7 | 80.4 | 76.0 | 69.5 | 65.2 | 56.5 | 52.1 |
| 62.5° | 76.0 | 73.9 | 69.5 | 67.3 | 65.2 | 58.7 | 54.3 | 50.0 | 43.4 | 36.9 | 30.4 |
| 65° | 58.7 | 54.3 | 50.0 | 50.0 | 47.8 | 43.4 | 36.9 | 30.4 | 26.1 | 19.6 | 13.0 |
| 67.5° | 43.4 | 39.1 | 34.8 | 34.8 | 32.6 | 28.2 | 21.7 | 17.4 | 10.9 | 6.5 | 0.0 |
| 70° | 30.4 | 28.2 | 23.9 | 21.7 | 19.6 | 15.2 | 10.9 | 6.5 | 2.2 | 0.0 | 0.0 |
| 72.5° | 21.7 | 17.4 | 15.2 | 13.0 | 10.9 | 6.5 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 13.0 | 10.9 | 6.5 | 6.5 | 4.3 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 6.5 | 6.5 | 2.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.3 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 2.2 | 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: P238375

CATALOG NUMBER: PRS620D010-S6M12-61SWWMB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 | 918.9 |
| 2.5° | 899.4 | 897.2 | 897.2 | 897.2 | 897.2 | 897.2 | 895.0 | 895.0 |
| 5° | 873.3 | 871.1 | 871.1 | 869.0 | 869.0 | 869.0 | 866.8 | 866.8 |
| 7.5° | 842.9 | 840.7 | 838.5 | 838.5 | 836.4 | 836.4 | 834.2 | 836.4 |
| 10° | 808.1 | 803.8 | 803.8 | 803.8 | 801.6 | 799.4 | 799.4 | 799.4 |
| 12.5° | 771.2 | 766.9 | 764.7 | 762.5 | 760.3 | 760.3 | 758.2 | 758.2 |
| 15° | 729.9 | 725.6 | 723.4 | 721.2 | 719.1 | 716.9 | 714.7 | 716.9 |
| 17.5° | 686.5 | 682.1 | 680.0 | 677.8 | 673.4 | 673.4 | 671.3 | 669.1 |
| 20° | 640.9 | 636.5 | 634.3 | 632.2 | 630.0 | 627.8 | 625.6 | 623.5 |
| 22.5° | 595.2 | 593.1 | 586.5 | 586.5 | 582.2 | 580.0 | 577.9 | 577.9 |
| 25° | 549.6 | 545.3 | 543.1 | 538.8 | 534.4 | 532.2 | 532.2 | 532.2 |
| 27.5° | 504.0 | 499.7 | 495.3 | 493.1 | 491.0 | 488.8 | 484.4 | 484.4 |
| 30° | 460.5 | 454.0 | 449.7 | 449.7 | 445.3 | 441.0 | 441.0 | 438.8 |
| 32.5° | 417.1 | 410.6 | 406.2 | 404.1 | 401.9 | 397.5 | 395.4 | 395.4 |
| 35° | 373.7 | 367.1 | 365.0 | 360.6 | 356.3 | 356.3 | 349.8 | 351.9 |
| 37.5° | 334.5 | 325.9 | 323.7 | 321.5 | 315.0 | 312.8 | 310.7 | 312.8 |
| 40° | 293.3 | 286.8 | 282.4 | 280.2 | 275.9 | 271.5 | 269.4 | 269.4 |
| 42.5° | 254.2 | 249.8 | 245.5 | 243.3 | 236.8 | 232.4 | 230.3 | 232.4 |
| 45° | 219.4 | 212.9 | 210.7 | 206.4 | 199.9 | 195.5 | 193.3 | 193.3 |
| 47.5° | 184.7 | 180.3 | 173.8 | 171.6 | 165.1 | 160.8 | 156.4 | 156.4 |
| 50° | 152.1 | 145.6 | 141.2 | 136.9 | 132.5 | 126.0 | 121.7 | 123.8 |
| 52.5° | 121.7 | 113.0 | 110.8 | 106.4 | 99.9 | 93.4 | 89.1 | 89.1 |
| 55° | 93.4 | 86.9 | 82.6 | 80.4 | 71.7 | 65.2 | 60.8 | 58.7 |
| 57.5° | 67.3 | 60.8 | 58.7 | 54.3 | 47.8 | 41.3 | 34.8 | 34.8 |
| 60° | 45.6 | 39.1 | 34.8 | 32.6 | 26.1 | 21.7 | 15.2 | 13.0 |
| 62.5° | 23.9 | 19.6 | 15.2 | 13.0 | 8.7 | 4.3 | 4.3 | 2.2 |
| 65° | 6.5 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |

(END OF REPORT)