

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: PORTFOLIO

Report Number: P843889

Luminaire Tested: **LD6C08DE010B35 EU6C08B35 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B35 EU6C08B35 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

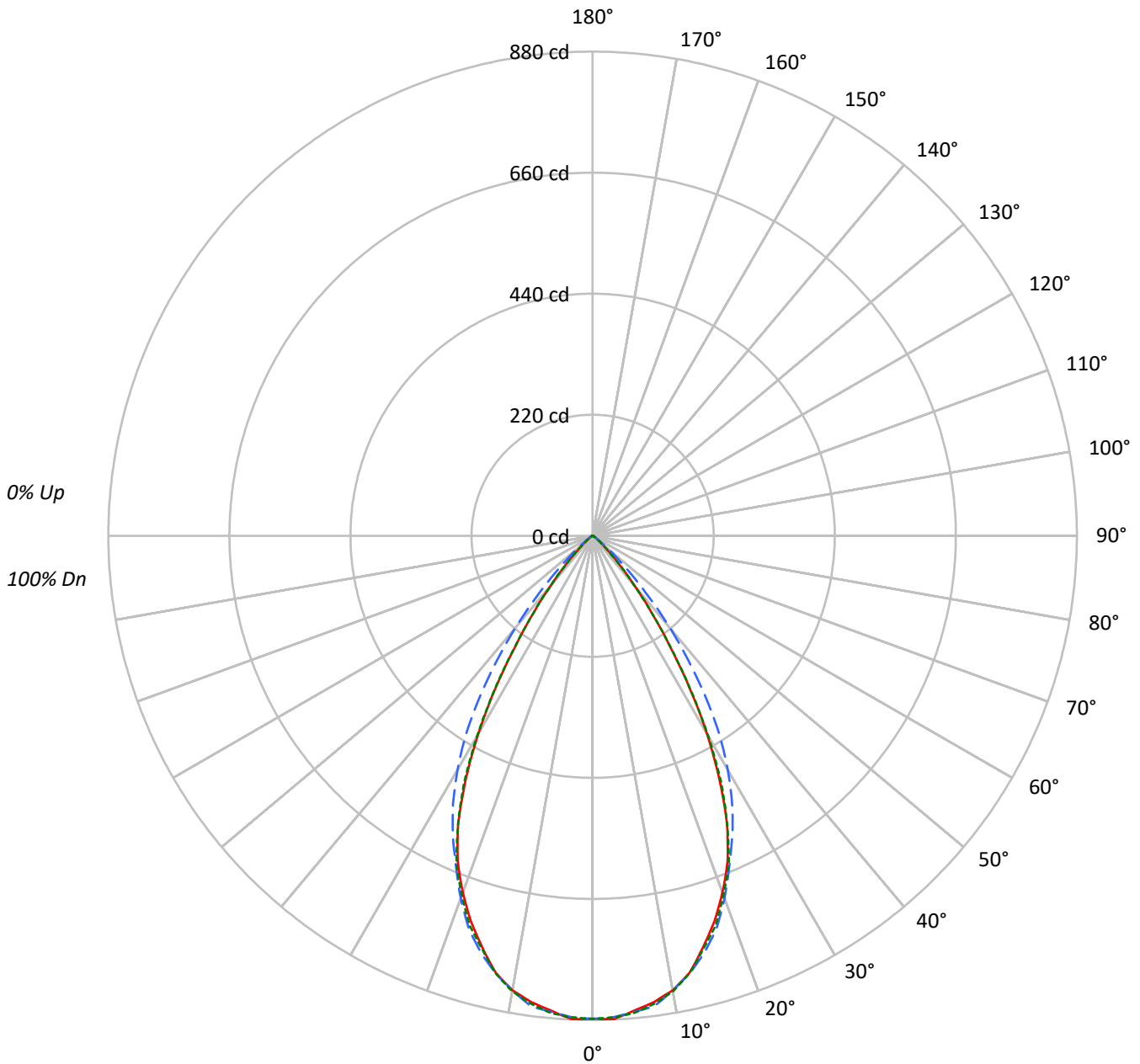
Lumens per Lamp: N/A
Luminaire Lumens: 824.9 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V):
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

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Luminous Intensity Polar Plot





TEST NUMBER: P843889

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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 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | | | | | | | | |
| 2 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 87 | | | | | | | | |
| 3 | 102 | 96 | 91 | 87 | 100 | 94 | 90 | 86 | 92 | 88 | 85 | 89 | 86 | 83 | 87 | 84 | 82 | 80 | | | | | | | | |
| 4 | 97 | 89 | 84 | 79 | 95 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 75 | | | | | | | | |
| 5 | 92 | 83 | 78 | 73 | 90 | 82 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 72 | 77 | 74 | 71 | 69 | | | | | | | | |
| 6 | 87 | 78 | 72 | 68 | 86 | 77 | 72 | 67 | 76 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 65 | | | | | | | | |
| 7 | 83 | 73 | 67 | 63 | 81 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 66 | 62 | 69 | 65 | 62 | 60 | | | | | | | | |
| 8 | 79 | 69 | 63 | 59 | 77 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 62 | 58 | 65 | 61 | 58 | 56 | | | | | | | | |
| 9 | 75 | 65 | 59 | 55 | 74 | 64 | 59 | 55 | 64 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 53 | | | | | | | | |
| 10 | 71 | 61 | 55 | 52 | 70 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 55 | 51 | 59 | 54 | 51 | 50 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 37794 | 37794 | 37794 |
| 5° | 37442 | 37532 | 37627 |
| 10° | 36663 | 36663 | 36760 |
| 15° | 34518 | 34960 | 34639 |
| 20° | 31606 | 32114 | 31835 |
| 25° | 27464 | 28537 | 27487 |
| 30° | 20652 | 24421 | 20851 |
| 35° | 12825 | 18812 | 12883 |
| 40° | 6745 | 12253 | 6717 |
| 45° | 2795 | 6132 | 2862 |
| 50° | 1078 | 2298 | 1078 |
| 55° | 578 | 706 | 540 |
| 60° | 379 | 327 | 379 |
| 65° | 224 | 224 | 224 |
| 70° | 138 | 214 | 138 |
| 75° | 83 | 83 | 83 |
| 80° | 124 | 124 | 124 |
| 85° | 0 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.2 | 10.0 |
| 10°-20° | 218.6 | 26.5 |
| 20°-30° | 268.3 | 32.5 |
| 30°-40° | 185.2 | 22.5 |
| 40°-50° | 57.9 | 7.0 |
| 50°-60° | 9.0 | 1.1 |
| 60°-70° | 2.6 | 0.3 |
| 70°-80° | 0.8 | 0.1 |
| 80°-90° | 0.2 | 0.0 |
| 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° | 569.1 | 69.0 |
| 0°-40° | 754.3 | 91.4 |
| 0°-60° | 821.3 | 99.6 |
| 0°-90° | 824.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 824.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 878 | 878 | 878 | 878 | 878 | |
| 5° | 866 | 870 | 868 | 869 | 871 | 82 |
| 15° | 774 | 786 | 784 | 783 | 777 | 217 |
| 25° | 578 | 593 | 601 | 597 | 579 | 259 |
| 35° | 244 | 289 | 358 | 291 | 245 | 156 |
| 45° | 46 | 63 | 101 | 62 | 47 | 41 |
| 55° | 8 | 8 | 9 | 8 | 7 | 8 |
| 65° | 2 | 3 | 2 | 3 | 2 | 2 |
| 75° | 0 | 0 | 0 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 |
| 2.5° | 879.5 | 867.4 | 875.1 | 873.4 | 877.8 | 880.6 | 877.8 | 882.8 | 879.5 | 875.7 | 876.8 |
| 5° | 866.3 | 867.9 | 867.4 | 868.4 | 869.6 | 869.6 | 875.1 | 875.7 | 876.8 | 868.4 | 870.6 |
| 7.5° | 854.7 | 854.7 | 857.4 | 856.3 | 860.2 | 859.1 | 859.6 | 864.0 | 864.6 | 862.4 | 860.7 |
| 10° | 838.6 | 836.4 | 833.6 | 833.6 | 838.6 | 839.1 | 843.6 | 844.1 | 847.5 | 838.6 | 839.8 |
| 12.5° | 813.7 | 812.6 | 808.1 | 810.4 | 814.3 | 812.1 | 819.2 | 819.8 | 818.7 | 814.8 | 817.0 |
| 15° | 774.4 | 778.8 | 777.7 | 777.1 | 786.0 | 785.0 | 784.3 | 786.0 | 786.6 | 784.3 | 782.8 |
| 17.5° | 735.2 | 739.1 | 739.6 | 740.7 | 742.4 | 744.0 | 746.3 | 752.3 | 750.1 | 748.4 | 754.0 |
| 20° | 689.8 | 688.1 | 692.5 | 697.0 | 698.7 | 698.7 | 702.0 | 706.4 | 703.1 | 700.9 | 701.4 |
| 22.5° | 640.6 | 643.4 | 641.1 | 645.5 | 647.8 | 650.6 | 653.8 | 657.7 | 654.9 | 648.9 | 656.1 |
| 25° | 578.1 | 579.7 | 586.9 | 586.4 | 589.6 | 596.3 | 601.3 | 601.3 | 601.3 | 600.7 | 600.7 |
| 27.5° | 499.5 | 498.4 | 507.2 | 513.3 | 521.6 | 532.2 | 538.8 | 549.2 | 550.9 | 549.2 | 545.4 |
| 30° | 415.4 | 414.3 | 425.4 | 433.1 | 448.0 | 453.1 | 471.3 | 481.2 | 491.8 | 491.2 | 488.4 |
| 32.5° | 328.0 | 330.3 | 339.1 | 350.2 | 362.3 | 377.8 | 394.9 | 417.0 | 426.5 | 428.7 | 423.7 |
| 35° | 244.0 | 247.3 | 255.5 | 264.9 | 280.0 | 297.1 | 320.8 | 341.8 | 357.9 | 357.9 | 354.0 |
| 37.5° | 175.9 | 177.0 | 184.8 | 190.9 | 206.3 | 221.8 | 242.3 | 271.1 | 281.0 | 284.8 | 281.0 |
| 40° | 120.0 | 120.0 | 124.5 | 131.1 | 143.8 | 157.1 | 175.9 | 197.5 | 211.8 | 218.0 | 211.3 |
| 42.5° | 76.4 | 77.4 | 80.8 | 85.2 | 94.6 | 106.2 | 120.6 | 136.6 | 147.1 | 151.6 | 145.5 |
| 45° | 45.9 | 47.0 | 49.8 | 53.1 | 59.2 | 66.4 | 76.4 | 88.0 | 96.8 | 100.7 | 97.9 |
| 47.5° | 27.6 | 28.8 | 29.8 | 32.0 | 36.5 | 41.5 | 46.4 | 53.1 | 58.7 | 59.2 | 58.1 |
| 50° | 16.1 | 16.1 | 17.1 | 18.8 | 21.0 | 23.8 | 26.5 | 30.5 | 32.0 | 34.3 | 32.0 |
| 52.5° | 10.5 | 10.5 | 10.5 | 11.1 | 12.2 | 13.3 | 14.4 | 16.6 | 17.7 | 17.7 | 17.1 |
| 55° | 7.7 | 7.7 | 7.7 | 7.7 | 8.2 | 8.2 | 8.2 | 8.9 | 9.4 | 9.4 | 9.4 |
| 57.5° | 5.5 | 5.5 | 5.5 | 6.1 | 6.1 | 6.1 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 60° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 3.8 | 3.8 | 3.8 |
| 62.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 65° | 2.2 | 2.2 | 2.2 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 2.2 | 2.2 | 2.2 |
| 67.5° | 1.7 | 1.7 | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 1.7 |
| 70° | 1.1 | 1.1 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 72.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 | 877.8 |
| 2.5° | 880.1 | 877.3 | 877.3 | 877.3 | 876.2 | 877.3 | 879.0 | 876.2 |
| 5° | 870.6 | 871.8 | 866.8 | 870.6 | 872.3 | 869.6 | 876.2 | 870.6 |
| 7.5° | 862.4 | 860.7 | 853.0 | 858.5 | 861.9 | 862.9 | 862.4 | 858.0 |
| 10° | 845.8 | 841.9 | 838.6 | 838.6 | 837.4 | 836.9 | 843.0 | 840.8 |
| 12.5° | 816.0 | 818.7 | 813.7 | 816.5 | 814.3 | 814.8 | 815.3 | 814.3 |
| 15° | 790.5 | 787.7 | 781.1 | 785.5 | 782.8 | 780.0 | 785.5 | 777.1 |
| 17.5° | 750.6 | 750.1 | 746.3 | 743.5 | 744.6 | 744.0 | 746.8 | 742.9 |
| 20° | 703.6 | 704.7 | 702.5 | 701.4 | 699.7 | 695.9 | 699.2 | 694.8 |
| 22.5° | 652.8 | 653.8 | 656.1 | 651.6 | 652.1 | 646.6 | 651.6 | 646.6 |
| 25° | 601.3 | 600.7 | 598.0 | 595.8 | 589.6 | 583.6 | 582.4 | 578.6 |
| 27.5° | 544.9 | 541.0 | 534.3 | 527.1 | 517.7 | 509.5 | 508.9 | 506.2 |
| 30° | 482.9 | 474.7 | 462.5 | 450.9 | 436.5 | 423.7 | 423.7 | 419.4 |
| 32.5° | 417.7 | 398.8 | 382.2 | 367.8 | 349.0 | 341.8 | 334.6 | 330.8 |
| 35° | 339.6 | 323.1 | 303.1 | 279.3 | 270.5 | 252.8 | 253.9 | 245.1 |
| 37.5° | 266.1 | 245.6 | 226.8 | 207.4 | 192.0 | 183.6 | 179.2 | 174.8 |
| 40° | 197.5 | 177.6 | 157.1 | 144.4 | 130.5 | 123.3 | 120.6 | 119.5 |
| 42.5° | 135.0 | 118.3 | 105.1 | 94.6 | 87.4 | 79.6 | 77.4 | 76.4 |
| 45° | 88.0 | 78.6 | 66.4 | 58.1 | 53.1 | 48.7 | 48.7 | 47.0 |
| 47.5° | 52.6 | 46.4 | 40.4 | 34.9 | 31.5 | 28.8 | 27.6 | 27.1 |
| 50° | 29.3 | 26.0 | 22.7 | 20.4 | 18.3 | 16.6 | 16.1 | 16.1 |
| 52.5° | 16.1 | 14.4 | 13.3 | 11.6 | 10.5 | 10.5 | 10.5 | 9.9 |
| 55° | 8.2 | 8.2 | 8.2 | 8.2 | 7.7 | 7.7 | 7.7 | 7.2 |
| 57.5° | 5.5 | 5.5 | 6.1 | 6.1 | 6.1 | 5.5 | 5.5 | 5.5 |
| 60° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 62.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 65° | 2.2 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 2.2 | 2.2 |
| 67.5° | 1.7 | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 1.7 | 1.7 |
| 70° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 |
| 72.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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 670246072 / DESKTOP-50001EG





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









(END OF REPORT)