

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: P#

Luminaire Tested: **LX6C10D010 EX6C109030 6LBCSSQMW**

Issue Date: 5/25/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)
Test Lab: INNOVATION CENTER
Issue Date: 5/25/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109030 6LBCSSQMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

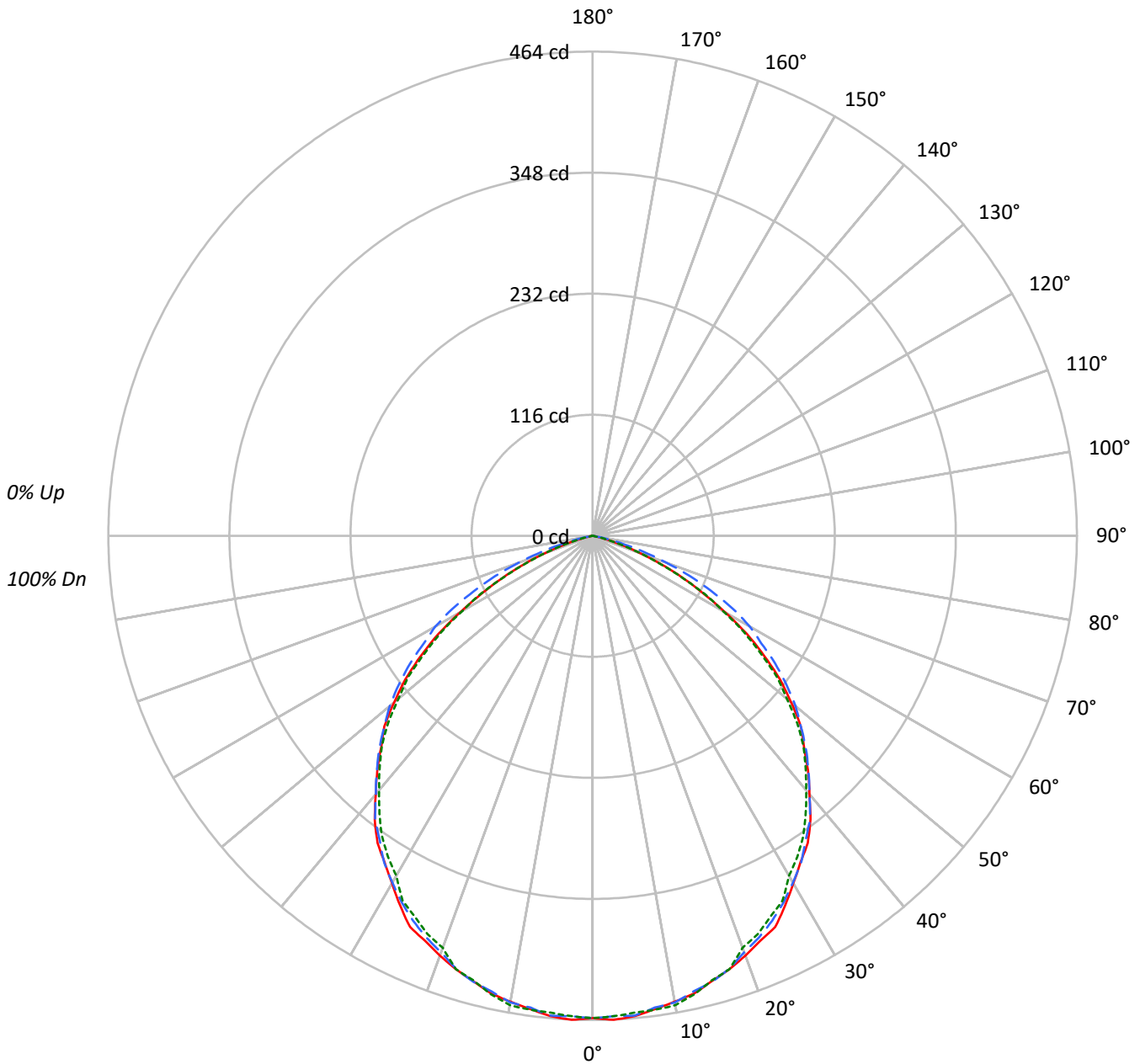
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.75
Input Voltage (V):
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: P#
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Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBCSSQMW

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 | | | | | | | | | | | | | | | | | | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | | | | | | | | | | | | | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 84 | 80 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | | | | | | | | | | | | | | | |
| 3 | 93 | 84 | 76 | 70 | 91 | 82 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 67 | 74 | 70 | 66 | 64 | | | | | | | | | | | | | | | | | | | |
| 4 | 86 | 75 | 67 | 60 | 84 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 56 | | | | | | | | | | | | | | | | | | | |
| 5 | 79 | 67 | 59 | 52 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 | | | | | | | | | | | | | | | | | | | |
| 6 | 73 | 61 | 52 | 46 | 71 | 60 | 52 | 46 | 58 | 51 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 43 | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 47 | 41 | 66 | 54 | 46 | 41 | 53 | 46 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | | | | | | | | | | | | | | | | | |
| 8 | 63 | 50 | 42 | 37 | 62 | 50 | 42 | 36 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 9 | 59 | 46 | 38 | 33 | 58 | 46 | 38 | 33 | 45 | 38 | 33 | 43 | 37 | 33 | 42 | 37 | 32 | 31 | | | | | | | | | | | | | | | | | | | |
| 10 | 55 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 39 | 34 | 30 | 28 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 19900 | 19900 | 19900 |
| 5° | 19976 | 19950 | 19829 |
| 10° | 19823 | 19853 | 19971 |
| 15° | 19693 | 19724 | 19662 |
| 20° | 19615 | 19459 | 19244 |
| 25° | 19658 | 19335 | 19140 |
| 30° | 19116 | 19081 | 18708 |
| 35° | 18885 | 18707 | 18491 |
| 40° | 18166 | 18166 | 17896 |
| 45° | 17439 | 17603 | 17396 |
| 50° | 16625 | 16987 | 16257 |
| 55° | 15096 | 16019 | 14743 |
| 60° | 12624 | 14966 | 12443 |
| 65° | 9658 | 12776 | 9587 |
| 70° | 6005 | 9441 | 6093 |
| 75° | 2262 | 5107 | 2146 |
| 80° | 174 | 843 | 174 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBCSSQMW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.7 | 3.9 |
| 10°-20° | 124.7 | 11.2 |
| 20°-30° | 187.6 | 16.8 |
| 30°-40° | 221.9 | 19.9 |
| 40°-50° | 221.5 | 19.8 |
| 50°-60° | 183.6 | 16.5 |
| 60°-70° | 107.3 | 9.6 |
| 70°-80° | 25.5 | 2.3 |
| 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° | 356.0 | 31.9 |
| 0°-40° | 577.9 | 51.8 |
| 0°-60° | 983.0 | 88.1 |
| 0°-90° | 1116.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1116.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 462 | 462 | 462 | 462 | 462 | |
| 5° | 462 | 460 | 462 | 460 | 459 | 44 |
| 15° | 442 | 441 | 442 | 440 | 441 | 125 |
| 25° | 414 | 409 | 407 | 406 | 403 | 189 |
| 35° | 359 | 356 | 356 | 354 | 352 | 223 |
| 45° | 286 | 287 | 289 | 286 | 286 | 222 |
| 55° | 201 | 208 | 213 | 208 | 196 | 179 |
| 65° | 95 | 107 | 125 | 106 | 94 | 94 |
| 75° | 14 | 20 | 31 | 19 | 13 | 18 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 |
| 2.5° | 464.3 | 461.6 | 463.6 | 459.5 | 462.2 | 459.5 | 460.2 | 458.8 | 461.6 | 460.9 | 460.2 |
| 5° | 462.2 | 462.9 | 461.6 | 462.9 | 460.9 | 458.8 | 460.9 | 459.5 | 455.4 | 461.6 | 460.2 |
| 7.5° | 457.5 | 458.2 | 456.8 | 458.8 | 457.5 | 454.7 | 460.2 | 456.1 | 455.4 | 456.1 | 458.8 |
| 10° | 453.4 | 454.7 | 454.1 | 453.4 | 454.1 | 454.1 | 452.7 | 450.7 | 452.7 | 454.1 | 453.4 |
| 12.5° | 449.3 | 451.3 | 450.0 | 448.6 | 447.3 | 447.9 | 449.3 | 445.9 | 445.9 | 447.3 | 451.3 |
| 15° | 441.8 | 443.1 | 443.8 | 441.1 | 441.1 | 441.8 | 444.5 | 439.0 | 441.8 | 442.5 | 443.1 |
| 17.5° | 435.6 | 436.3 | 436.3 | 434.3 | 435.6 | 433.6 | 435.6 | 432.9 | 435.6 | 435.0 | 436.3 |
| 20° | 428.1 | 429.5 | 428.1 | 428.1 | 426.8 | 427.5 | 427.5 | 427.5 | 425.4 | 424.7 | 426.1 |
| 22.5° | 420.0 | 420.0 | 418.6 | 420.0 | 418.6 | 417.9 | 421.3 | 415.9 | 421.3 | 416.6 | 420.7 |
| 25° | 413.8 | 410.4 | 408.4 | 407.7 | 410.4 | 407.7 | 409.1 | 407.0 | 408.4 | 407.0 | 407.7 |
| 27.5° | 399.5 | 397.5 | 396.8 | 397.5 | 397.5 | 396.8 | 399.5 | 392.0 | 396.8 | 396.1 | 396.1 |
| 30° | 384.5 | 384.5 | 385.9 | 384.5 | 385.9 | 383.8 | 386.6 | 380.4 | 384.5 | 383.8 | 384.5 |
| 32.5° | 370.9 | 371.6 | 371.6 | 372.9 | 370.9 | 371.6 | 371.6 | 369.5 | 370.9 | 371.6 | 370.2 |
| 35° | 359.3 | 355.9 | 355.9 | 355.9 | 355.9 | 355.9 | 357.2 | 355.2 | 357.2 | 355.9 | 355.9 |
| 37.5° | 342.9 | 339.5 | 339.5 | 338.8 | 342.2 | 340.2 | 343.6 | 340.9 | 340.9 | 342.2 | 342.2 |
| 40° | 323.2 | 324.5 | 322.5 | 325.2 | 324.5 | 321.8 | 327.9 | 323.9 | 326.6 | 323.2 | 325.9 |
| 42.5° | 305.4 | 306.1 | 305.4 | 304.7 | 307.5 | 306.8 | 309.5 | 306.8 | 306.1 | 306.1 | 310.9 |
| 45° | 286.4 | 286.4 | 286.4 | 288.4 | 286.4 | 287.0 | 289.8 | 288.4 | 289.8 | 289.1 | 293.8 |
| 47.5° | 270.7 | 267.2 | 266.6 | 270.7 | 270.0 | 270.7 | 270.7 | 271.3 | 272.0 | 270.7 | 272.7 |
| 50° | 248.2 | 246.8 | 246.8 | 247.5 | 248.2 | 249.5 | 251.6 | 252.9 | 251.6 | 253.6 | 254.3 |
| 52.5° | 226.3 | 225.0 | 225.7 | 228.4 | 229.7 | 229.1 | 232.5 | 233.2 | 232.5 | 233.9 | 233.9 |
| 55° | 201.1 | 199.8 | 201.8 | 205.2 | 207.3 | 209.3 | 212.7 | 210.0 | 212.7 | 213.4 | 214.1 |
| 57.5° | 175.2 | 174.5 | 175.2 | 178.6 | 180.7 | 185.4 | 190.9 | 190.9 | 193.6 | 191.6 | 193.6 |
| 60° | 146.6 | 146.6 | 149.3 | 151.4 | 156.8 | 160.2 | 165.7 | 168.4 | 171.1 | 173.8 | 172.5 |
| 62.5° | 119.3 | 120.0 | 122.0 | 126.8 | 130.2 | 135.0 | 141.1 | 143.8 | 148.6 | 151.4 | 150.0 |
| 65° | 94.8 | 94.8 | 96.1 | 100.2 | 103.6 | 109.8 | 115.2 | 121.4 | 124.1 | 125.4 | 126.1 |
| 67.5° | 70.9 | 70.2 | 73.0 | 75.7 | 79.1 | 85.2 | 91.4 | 94.8 | 99.5 | 100.9 | 100.2 |
| 70° | 47.7 | 48.4 | 49.8 | 52.5 | 56.6 | 61.4 | 68.2 | 70.9 | 73.6 | 75.0 | 73.6 |
| 72.5° | 30.0 | 30.0 | 30.7 | 33.4 | 36.1 | 39.5 | 44.3 | 47.0 | 50.4 | 51.1 | 49.8 |
| 75° | 13.6 | 13.6 | 15.0 | 16.3 | 18.4 | 21.1 | 24.6 | 26.6 | 28.6 | 30.7 | 30.7 |
| 77.5° | 2.7 | 3.4 | 4.1 | 4.1 | 5.4 | 7.5 | 9.5 | 11.6 | 13.6 | 13.6 | 13.6 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.4 | 2.0 | 3.4 | 3.4 | 3.4 |
| 82.5° | 0.0 | 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: P#

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 | 462.2 |
| 2.5° | 462.2 | 466.3 | 462.2 | 460.2 | 462.9 | 462.2 | 460.2 | 460.9 |
| 5° | 460.2 | 461.6 | 462.9 | 457.5 | 460.9 | 461.6 | 460.2 | 458.8 |
| 7.5° | 458.2 | 458.8 | 458.2 | 456.8 | 456.8 | 456.8 | 458.2 | 458.2 |
| 10° | 457.5 | 455.4 | 452.0 | 450.0 | 452.0 | 452.0 | 451.3 | 456.8 |
| 12.5° | 448.6 | 451.3 | 449.3 | 445.2 | 449.3 | 448.6 | 448.6 | 450.0 |
| 15° | 441.8 | 441.8 | 443.1 | 437.7 | 440.4 | 439.7 | 439.7 | 441.1 |
| 17.5° | 435.0 | 435.0 | 434.3 | 432.9 | 432.2 | 434.3 | 432.2 | 435.6 |
| 20° | 425.4 | 426.8 | 430.9 | 424.1 | 426.1 | 424.1 | 424.1 | 420.0 |
| 22.5° | 413.8 | 420.7 | 417.2 | 416.6 | 415.9 | 416.6 | 417.9 | 413.2 |
| 25° | 406.3 | 406.3 | 407.7 | 403.6 | 403.6 | 405.0 | 404.3 | 402.9 |
| 27.5° | 396.1 | 395.4 | 394.7 | 393.4 | 396.8 | 394.1 | 394.1 | 394.1 |
| 30° | 381.8 | 383.8 | 383.2 | 379.7 | 383.8 | 382.5 | 380.4 | 376.3 |
| 32.5° | 369.5 | 372.3 | 368.2 | 367.5 | 366.8 | 367.5 | 368.2 | 364.8 |
| 35° | 354.5 | 355.2 | 355.2 | 352.5 | 353.1 | 352.5 | 351.1 | 351.8 |
| 37.5° | 340.9 | 340.2 | 336.8 | 335.4 | 336.1 | 336.1 | 336.8 | 335.4 |
| 40° | 321.8 | 323.9 | 323.9 | 319.1 | 320.4 | 319.1 | 319.1 | 318.4 |
| 42.5° | 306.1 | 306.8 | 304.7 | 302.7 | 302.7 | 302.0 | 300.7 | 302.0 |
| 45° | 289.8 | 289.1 | 287.0 | 285.0 | 285.0 | 284.3 | 282.9 | 285.7 |
| 47.5° | 271.3 | 270.0 | 269.3 | 266.6 | 266.6 | 262.5 | 263.2 | 265.9 |
| 50° | 252.9 | 251.6 | 248.9 | 247.5 | 245.4 | 243.4 | 242.7 | 242.7 |
| 52.5° | 231.1 | 231.1 | 228.4 | 225.7 | 225.0 | 223.6 | 222.2 | 222.9 |
| 55° | 212.0 | 212.0 | 210.0 | 205.2 | 202.5 | 199.1 | 197.0 | 196.4 |
| 57.5° | 190.2 | 188.8 | 184.7 | 179.3 | 176.6 | 173.8 | 171.8 | 171.8 |
| 60° | 168.4 | 165.0 | 160.9 | 156.1 | 151.4 | 146.6 | 145.2 | 144.5 |
| 62.5° | 144.5 | 141.1 | 133.6 | 128.2 | 124.8 | 122.0 | 119.3 | 121.4 |
| 65° | 120.7 | 115.9 | 109.1 | 103.6 | 100.2 | 96.1 | 94.1 | 94.1 |
| 67.5° | 95.4 | 90.7 | 83.9 | 78.4 | 75.0 | 72.3 | 69.6 | 69.6 |
| 70° | 70.2 | 66.8 | 60.7 | 55.9 | 53.2 | 49.1 | 48.4 | 48.4 |
| 72.5° | 47.7 | 43.6 | 38.9 | 35.5 | 32.7 | 30.0 | 28.6 | 28.0 |
| 75° | 26.6 | 23.9 | 20.5 | 18.4 | 15.7 | 14.3 | 12.9 | 12.9 |
| 77.5° | 10.9 | 8.9 | 6.8 | 5.4 | 4.1 | 3.4 | 2.7 | 3.4 |
| 80° | 2.0 | 1.4 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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 670246072 / DESKTOP-50001EG





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









(END OF REPORT)