

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-10LXXK-NDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-10L-xxK-ND-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite lens
 [OTHER] 19.9 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 50L

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 679 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 75 |
| Total Luminaire Watts | 9.1 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.34 |
| Spacing Criterion (90-270) | 0.34 |
| Spacing Criterion (Diagonal) | 0.38 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.26 ft (Diameter) |
| Luminous Width (90-270) | 0.26 ft (Diameter) |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2267 | 2349 | 2621 |
| 55 | 572 | 495 | 450 |
| 65 | 305 | 317 | 247 |
| 75 | 284 | 432 | 356 |
| 85 | 1098 | 774 | 821 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-10LXXK-NDEX-SOXXMW.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 3347.737 | 3347.737 | 3347.737 | 3347.737 | 3347.737 |
| 5 | 2797.381 | 2737.402 | 2796.337 | 2752.419 | 2778.169 |
| 10 | 1632.606 | 1665.633 | 1651.142 | 1650.748 | 1651.393 |
| 15 | 811.394 | 854.183 | 841.228 | 835.272 | 846.611 |
| 20 | 434.249 | 455.536 | 454.027 | 445.294 | 457.933 |
| 25 | 268.408 | 279.673 | 279.324 | 278.667 | 281.940 |
| 30 | 153.896 | 158.366 | 161.561 | 163.721 | 164.252 |
| 35 | 68.709 | 64.674 | 72.086 | 70.784 | 73.839 |
| 40 | 24.772 | 22.263 | 25.016 | 25.247 | 27.240 |
| 45 | 8.221 | 7.640 | 8.520 | 8.787 | 9.504 |
| 50 | 3.329 | 2.724 | 3.267 | 3.344 | 3.037 |
| 55 | 1.684 | 1.588 | 1.456 | 2.258 | 1.323 |
| 60 | 0.999 | 0.818 | 0.792 | 1.157 | 0.739 |
| 65 | 0.661 | 0.513 | 0.688 | 0.796 | 0.536 |
| 70 | 0.635 | 0.482 | 0.566 | 0.576 | 0.492 |
| 75 | 0.377 | 0.473 | 0.574 | 0.601 | 0.473 |
| 80 | 0.467 | 0.491 | 0.282 | 0.506 | 0.519 |
| 85 | 0.491 | 0.439 | 0.346 | 0.558 | 0.367 |
| 90 | 0.419 | 0.183 | 0.404 | 0.186 | 0.549 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-10LXXK-NDEX-SOXXMW.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 485.43 | N.A. | 71.50 |
| 0-30 | 617.38 | N.A. | 90.90 |
| 0-40 | 667.04 | N.A. | 98.30 |
| 0-60 | 677.16 | N.A. | 99.80 |
| 0-80 | 678.38 | N.A. | 99.90 |
| 0-90 | 678.83 | N.A. | 100.00 |
| 10-90 | 447.56 | N.A. | 65.90 |
| 20-40 | 181.61 | N.A. | 26.80 |
| 20-50 | 190.07 | N.A. | 28.00 |
| 40-70 | 10.80 | N.A. | 1.60 |
| 60-80 | 1.22 | N.A. | 0.20 |
| 70-80 | 0.54 | N.A. | 0.10 |
| 80-90 | 0.45 | N.A. | 0.10 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 678.83 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 231.27 |
| 10-20 | 254.17 |
| 20-30 | 131.94 |
| 30-40 | 49.67 |
| 40-50 | 8.47 |
| 50-60 | 1.65 |
| 60-70 | 0.68 |
| 70-80 | 0.54 |
| 80-90 | 0.45 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

IES INDOOR REPORT

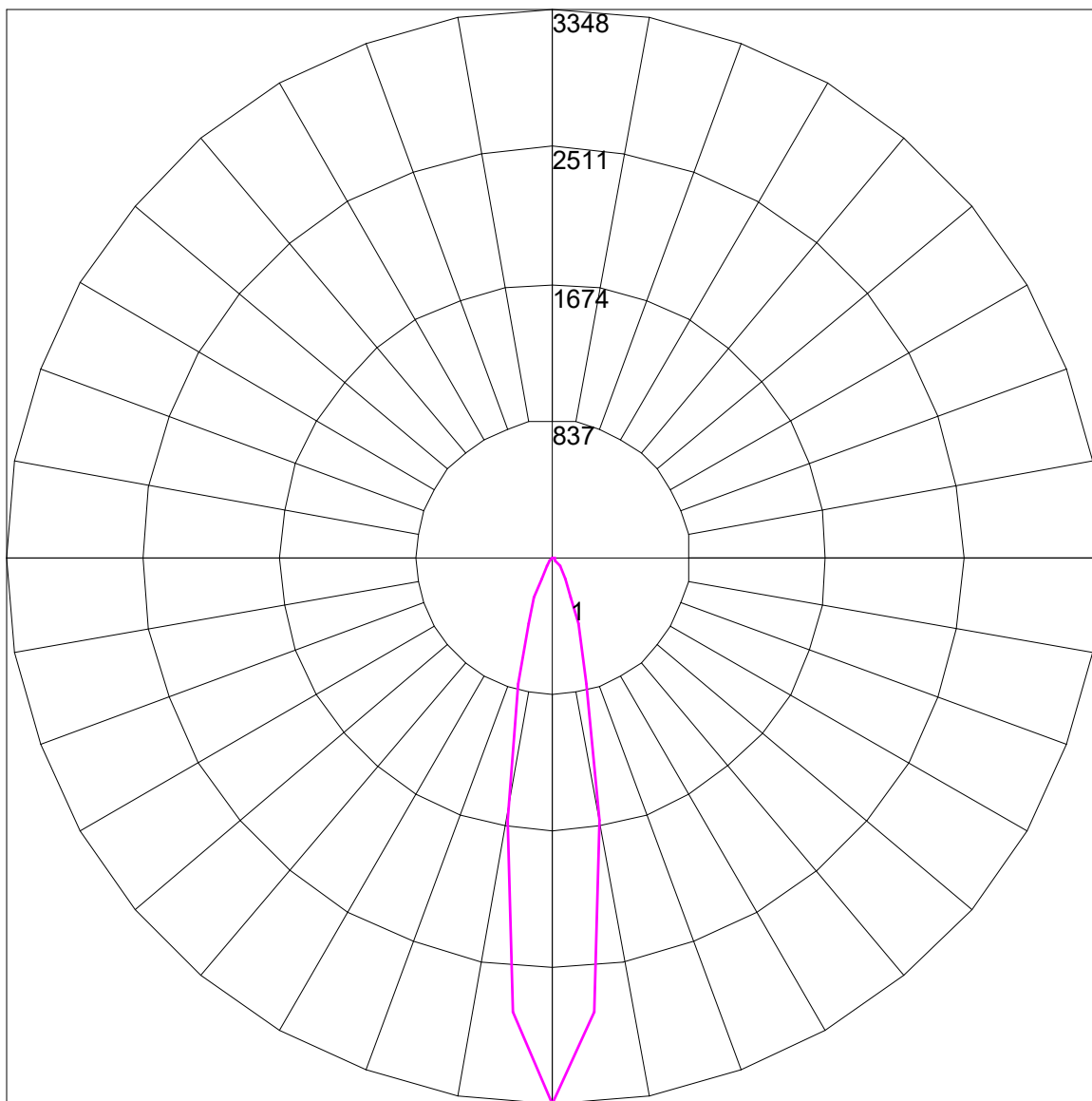
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| 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 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 89 |
| 4 | 103 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 95 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 |
| 5 | 100 | 94 | 89 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 84 | 88 | 86 | 84 | 83 |
| 6 | 97 | 90 | 86 | 83 | 96 | 90 | 85 | 82 | 88 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 80 |
| 7 | 94 | 87 | 83 | 80 | 93 | 86 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 75 |
| 9 | 88 | 81 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 73 | 72 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 77 | 74 | 71 | 70 |

POLAR GRAPH



Maximum Candela = 3347.737 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)