

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-40LXXK-NDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_2_M-40L
 [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-40L-xxK-ND-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 18 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 | 2961 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 78 |
| Total Luminaire Watts | 37.9 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.32 |
| Spacing Criterion (90-270) | 0.32 |
| Spacing Criterion (Diagonal) | 0.34 |
| 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 | 621 | 325 | 567 |
| 55 | 371 | 248 | 561 |
| 65 | 769 | 460 | 569 |
| 75 | 692 | 745 | 783 |
| 85 | 1204 | 2416 | 1201 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-40LXXK-NDEX-NLXXMW.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 18056.092 | 18056.092 | 18056.092 | 18056.092 | 18056.092 |
| 5 | 14486.434 | 14674.322 | 14493.732 | 14593.894 | 14360.670 |
| 10 | 7651.972 | 7658.665 | 7696.502 | 7651.785 | 7675.734 |
| 15 | 3311.102 | 3344.744 | 3394.556 | 3369.400 | 3445.979 |
| 20 | 1704.165 | 1719.950 | 1765.813 | 1775.698 | 1827.590 |
| 25 | 1123.786 | 1152.892 | 1164.154 | 1191.891 | 1210.281 |
| 30 | 632.068 | 661.201 | 667.349 | 701.287 | 700.386 |
| 35 | 161.980 | 156.295 | 171.491 | 175.706 | 198.612 |
| 40 | 4.532 | 2.928 | 3.315 | 3.680 | 5.929 |
| 45 | 2.251 | 1.157 | 1.179 | 1.211 | 2.057 |
| 50 | 1.199 | 1.344 | 0.812 | 0.868 | 2.137 |
| 55 | 1.091 | 0.558 | 0.730 | 1.404 | 1.649 |
| 60 | 1.143 | 0.894 | 1.063 | 1.244 | 1.527 |
| 65 | 1.666 | 1.501 | 0.996 | 1.052 | 1.233 |
| 70 | 1.313 | 0.638 | 1.200 | 0.845 | 0.775 |
| 75 | 0.919 | 0.548 | 0.989 | 0.906 | 1.039 |
| 80 | 1.330 | 2.291 | 1.174 | 1.276 | 1.255 |
| 85 | 0.538 | 0.965 | 1.080 | 0.661 | 0.537 |
| 90 | 1.116 | 0.403 | 0.885 | 0.912 | 1.291 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-40LXXK-NDEX-NLXXMW.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 2261.95 | N.A. | 76.40 |
| 0-30 | 2802.05 | N.A. | 94.60 |
| 0-40 | 2955.63 | N.A. | 99.80 |
| 0-60 | 2958.09 | N.A. | 99.90 |
| 0-80 | 2960.32 | N.A. | 100.00 |
| 0-90 | 2961.41 | N.A. | 100.00 |
| 10-90 | 1776.99 | N.A. | 60.00 |
| 20-40 | 693.68 | N.A. | 23.40 |
| 20-50 | 695.17 | N.A. | 23.50 |
| 40-70 | 3.59 | N.A. | 0.10 |
| 60-80 | 2.23 | N.A. | 0.10 |
| 70-80 | 1.10 | N.A. | 0.00 |
| 80-90 | 1.09 | N.A. | 0.00 |
| 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 | 2961.41 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 1184.42 |
| 10-20 | 1077.53 |
| 20-30 | 540.10 |
| 30-40 | 153.58 |
| 40-50 | 1.49 |
| 50-60 | 0.97 |
| 60-70 | 1.13 |
| 70-80 | 1.10 |
| 80-90 | 1.09 |
| 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

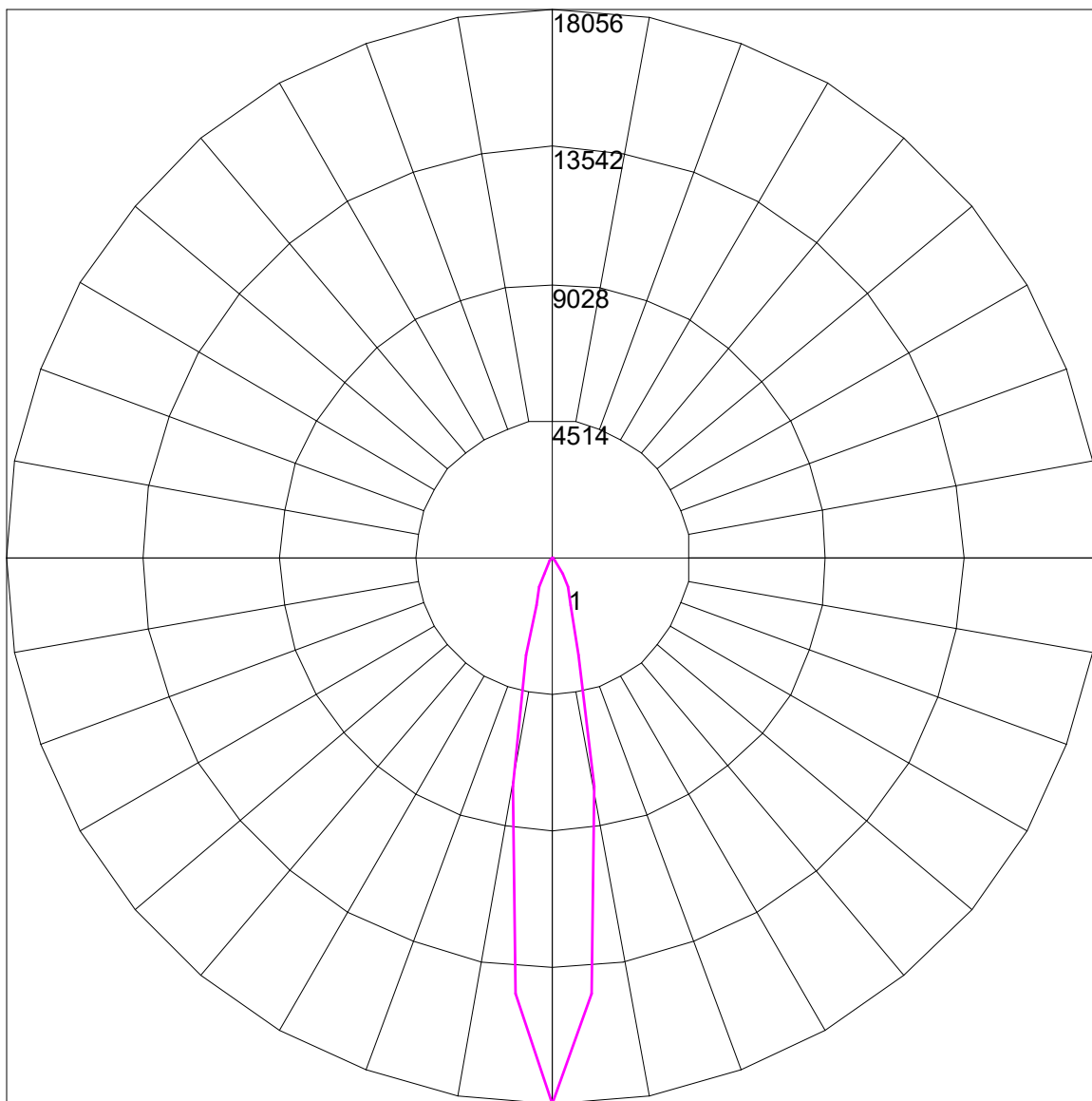
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 91 |
| 4 | 105 | 99 | 95 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 88 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 80 |
| 8 | 93 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 78 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 76 |
| 10 | 89 | 82 | 78 | 76 | 88 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 |

POLAR GRAPH



Maximum Candela = 18056.092 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)