

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-30LXXK-WDEX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592.11
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-30L-xxK-WD-EX-TSG-SO
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Wide Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] Solite Lens, Regressed in Lower Trim
 [OTHER] 45.6 Degree Beam Angle
 [LAMPCAT] N/A, 19mm LES
 [LAMP] N/A, 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

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2382 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 73 |
| Total Luminaire Watts | 32.6 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.72 |
| Spacing Criterion (90-270) | 0.70 |
| Spacing Criterion (Diagonal) | 0.76 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.68 ft (Diameter) |
| Luminous Width (90-270) | 0.68 ft (Diameter) |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-30LXXK-WDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 4347 | 4519 | 3845 |
| 55 | 482 | 524 | 485 |
| 65 | 123 | 104 | 103 |
| 75 | 147 | 148 | 161 |
| 85 | 515 | 643 | 615 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-30LXXK-WDEX-TSG-SO.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|-------------------|--------------------|--------------------|--------------------|--------------------|
| 0 | 3682.671 | 3682.671 | 3682.671 | 3682.671 | 3682.671 |
| 5 | 3557.181 | 3574.674 | 3544.371 | 3548.484 | 3507.642 |
| 10 | 3212.464 | 3237.160 | 3197.954 | 3206.633 | 3134.881 |
| 15 | 2687.524 | 2724.716 | 2679.500 | 2693.355 | 2597.527 |
| 20 | 2123.958 | 2152.868 | 2115.776 | 2122.565 | 2037.296 |
| 25 | 1617.081 | 1645.645 | 1614.133 | 1620.620 | 1546.851 |
| 30 | 1154.492 | 1183.359 | 1148.116 | 1162.741 | 1091.509 |
| 35 | 706.490 | 727.895 | 701.577 | 702.844 | 646.347 |
| 40 | 332.846 | 351.414 | 330.763 | 333.712 | 292.119 |
| 45 | 102.286 | 95.025 | 106.333 | 88.123 | 90.484 |
| 50 | 31.756 | 29.581 | 29.866 | 28.940 | 29.625 |
| 55 | 9.204 | 7.730 | 9.995 | 8.723 | 9.262 |
| 60 | 2.255 | 1.788 | 2.393 | 2.101 | 2.019 |
| 65 | 1.723 | 1.329 | 1.462 | 1.187 | 1.446 |
| 70 | 1.622 | 1.101 | 1.449 | 1.447 | 1.122 |
| 75 | 1.267 | 1.288 | 1.276 | 1.537 | 1.388 |
| 80 | 1.623 | 0.957 | 1.485 | 1.056 | 1.258 |
| 85 | 1.493 | 1.897 | 1.864 | 2.326 | 1.785 |
| 90 | 1.408 | 0.502 | 1.199 | 0.589 | 1.254 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1073.23 | N.A. | 45.10 |
| 0-30 | 1815.34 | N.A. | 76.20 |
| 0-40 | 2261.28 | N.A. | 94.90 |
| 0-60 | 2377.1 | N.A. | 99.80 |
| 0-80 | 2380.04 | N.A. | 99.90 |
| 0-90 | 2381.68 | N.A. | 100.00 |
| 10-90 | 2053.61 | N.A. | 86.20 |
| 20-40 | 1188.06 | N.A. | 49.90 |
| 20-50 | 1292.91 | N.A. | 54.30 |
| 40-70 | 117.36 | N.A. | 4.90 |
| 60-80 | 2.94 | N.A. | 0.10 |
| 70-80 | 1.40 | N.A. | 0.10 |
| 80-90 | 1.64 | 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 | 2381.68 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 328.07 |
| 10-20 | 745.16 |
| 20-30 | 742.11 |
| 30-40 | 445.94 |
| 40-50 | 104.86 |
| 50-60 | 10.96 |
| 60-70 | 1.54 |
| 70-80 | 1.40 |
| 80-90 | 1.64 |
| 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 |

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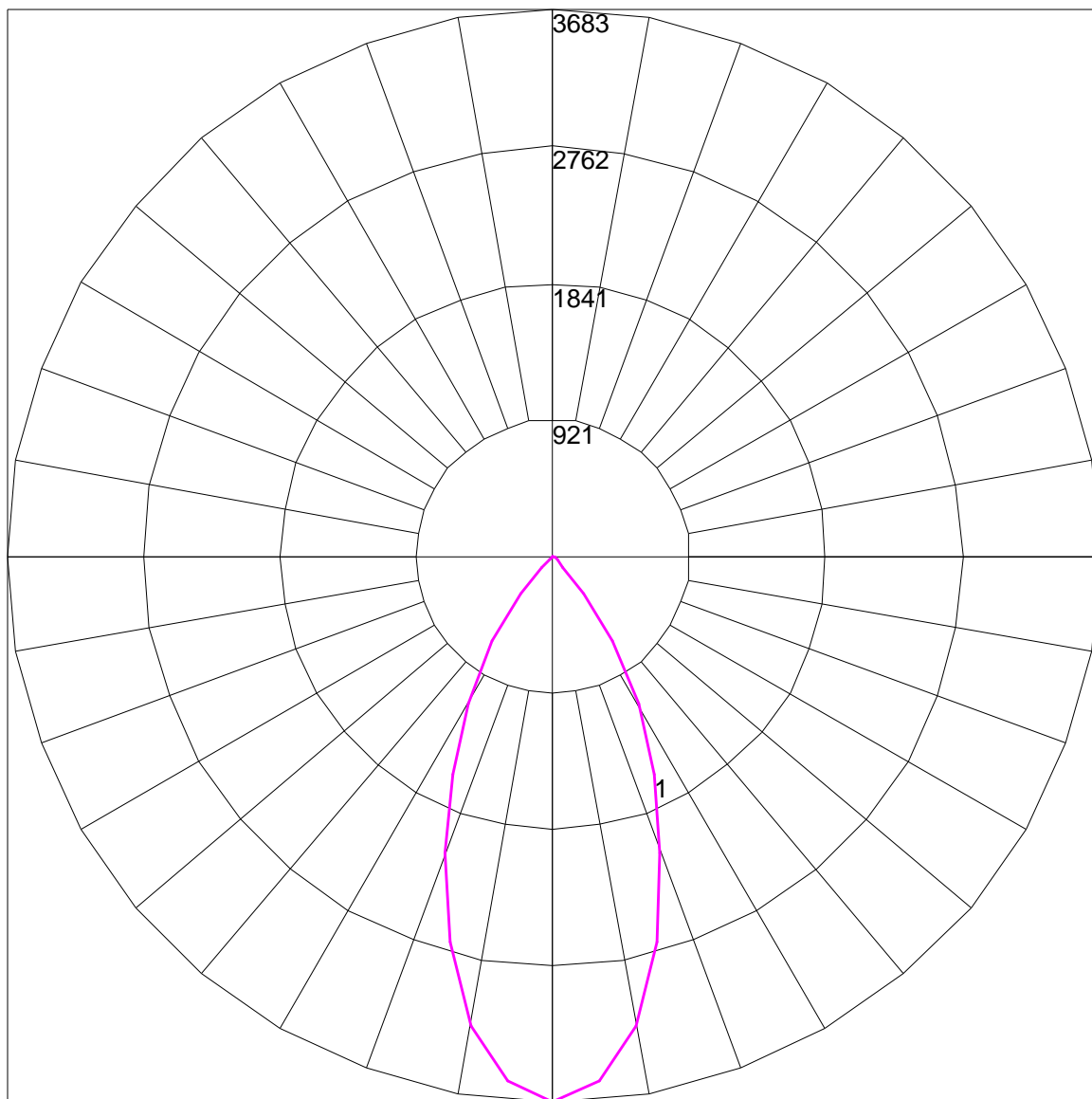
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 |
| 3 | 103 | 97 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 90 | 87 | 91 | 88 | 86 | 89 | 86 | 84 | 83 |
| 4 | 99 | 92 | 86 | 82 | 97 | 90 | 86 | 82 | 88 | 84 | 81 | 86 | 83 | 80 | 84 | 82 | 79 | 78 |
| 5 | 94 | 86 | 81 | 77 | 92 | 85 | 80 | 76 | 83 | 79 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 69 |
| 7 | 86 | 77 | 71 | 67 | 84 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 66 | 73 | 69 | 66 | 65 |
| 8 | 82 | 73 | 67 | 63 | 81 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 61 |
| 9 | 78 | 69 | 63 | 60 | 77 | 69 | 63 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 58 |
| 10 | 75 | 66 | 60 | 57 | 74 | 65 | 60 | 56 | 64 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 55 |

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POLAR GRAPH



Maximum Candela = 3682.671 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)