

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_2_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-13L-xxK-MD-EX-TSG-NL
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Medium Beam
[OTHER] Lower Trim, Semi-diffuse, Clear Anodized Aluminum
[OTHER] No Lens
[OTHER] 37.7 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, scaled from 30L

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1118 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 86 |
| Total Luminaire Watts | 13 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.62 |
| Spacing Criterion (90-270) | 0.60 |
| Spacing Criterion (Diagonal) | 0.66 |
| 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-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 866 | 908 | 613 |
| 55 | 71 | 107 | 69 |
| 65 | 48 | 58 | 44 |
| 75 | 76 | 76 | 77 |
| 85 | 311 | 198 | 219 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 2143.162 | 2143.162 | 2143.162 | 2143.162 | 2143.162 |
| 5 | 2030.264 | 2044.682 | 2027.470 | 2036.948 | 1998.874 |
| 10 | 1735.675 | 1764.733 | 1735.858 | 1755.665 | 1687.494 |
| 15 | 1349.923 | 1381.415 | 1352.453 | 1375.227 | 1302.186 |
| 20 | 988.031 | 1015.865 | 992.895 | 1011.198 | 951.801 |
| 25 | 710.972 | 730.672 | 715.344 | 726.585 | 684.258 |
| 30 | 504.189 | 518.676 | 504.914 | 511.019 | 471.516 |
| 35 | 297.888 | 318.072 | 298.363 | 306.617 | 260.486 |
| 40 | 105.392 | 124.685 | 108.655 | 117.685 | 84.506 |
| 45 | 20.386 | 18.115 | 21.366 | 19.173 | 14.430 |
| 50 | 4.201 | 5.050 | 5.375 | 4.895 | 3.500 |
| 55 | 1.360 | 1.808 | 2.035 | 1.777 | 1.325 |
| 60 | 0.749 | 0.909 | 1.021 | 0.810 | 0.722 |
| 65 | 0.672 | 0.787 | 0.815 | 0.705 | 0.612 |
| 70 | 0.881 | 0.745 | 0.679 | 0.573 | 0.776 |
| 75 | 0.656 | 0.677 | 0.654 | 0.853 | 0.666 |
| 80 | 0.658 | 0.660 | 0.616 | 0.848 | 0.587 |
| 85 | 0.903 | 0.691 | 0.574 | 0.702 | 0.636 |
| 90 | 0.516 | 0.364 | 0.620 | 0.392 | 0.832 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 562.99 | N.A. | 50.30 |
| 0-30 | 897.66 | N.A. | 80.30 |
| 0-40 | 1085.12 | N.A. | 97.00 |
| 0-60 | 1116.12 | N.A. | 99.80 |
| 0-80 | 1117.62 | N.A. | 99.90 |
| 0-90 | 1118.32 | N.A. | 100.00 |
| 10-90 | 933.45 | N.A. | 83.50 |
| 20-40 | 522.13 | N.A. | 46.70 |
| 20-50 | 551.11 | N.A. | 49.30 |
| 40-70 | 31.76 | N.A. | 2.80 |
| 60-80 | 1.50 | N.A. | 0.10 |
| 70-80 | 0.74 | N.A. | 0.10 |
| 80-90 | 0.70 | 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 | 1118.32 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 184.87 |
| 10-20 | 378.12 |
| 20-30 | 334.67 |
| 30-40 | 187.46 |
| 40-50 | 28.98 |
| 50-60 | 2.02 |
| 60-70 | 0.76 |
| 70-80 | 0.74 |
| 80-90 | 0.70 |
| 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

PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES

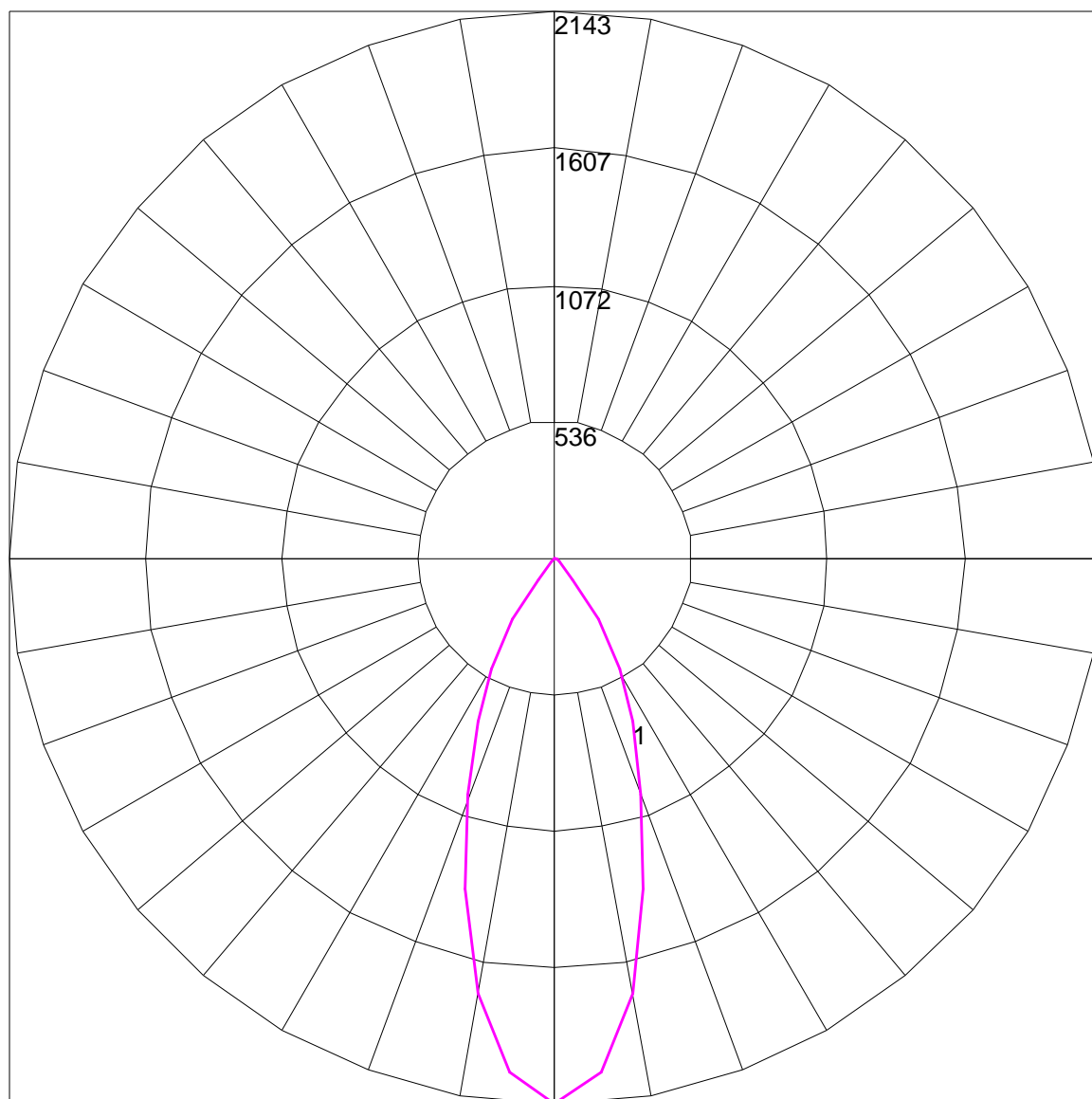
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 112 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 79 |
| 5 | 95 | 88 | 83 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 78 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 69 | 67 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 69 | 66 | 74 | 69 | 66 | 73 | 68 | 65 | 72 | 68 | 65 | 64 |
| 9 | 80 | 72 | 66 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 69 | 65 | 62 | 61 |
| 10 | 77 | 68 | 63 | 60 | 76 | 68 | 63 | 60 | 67 | 63 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 58 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-13LXXK-MDEX-TSG-NL.IES

POLAR GRAPH



Maximum Candela = 2143.162 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)