

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-30LXXK-MDEX-TSG-GL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00652_1
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/30/2018
 [LUMCAT] C0812YKXT-30L-xxK-MD-EX-TSG-GL
 [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 Alum.
 [OTHER] Clear Glass Lens, Regressed in Lower Trim
 [OTHER] 36.7 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

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2451 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 75 |
| Total Luminaire Watts | 32.6 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.60 |
| Spacing Criterion (90-270) | 0.58 |
| 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_1 ~ C0812YKXT-30LXXK-MDEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1600 | 1722 | 1332 |
| 55 | 187 | 218 | 211 |
| 65 | 86 | 104 | 121 |
| 75 | 155 | 192 | 189 |
| 85 | 349 | 514 | 509 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-30LXXK-MDEX-TSG-GL.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 4800.161 | 4800.161 | 4800.161 | 4800.161 | 4800.161 |
| 5 | 4522.795 | 4576.833 | 4545.216 | 4506.106 | 4455.397 |
| 10 | 3829.625 | 3946.407 | 3872.825 | 3833.579 | 3738.651 |
| 15 | 2940.229 | 3082.950 | 2996.074 | 2975.392 | 2872.676 |
| 20 | 2139.548 | 2257.143 | 2193.375 | 2184.981 | 2108.851 |
| 25 | 1538.193 | 1624.902 | 1583.919 | 1582.252 | 1529.026 |
| 30 | 1078.432 | 1147.203 | 1126.282 | 1111.909 | 1067.396 |
| 35 | 605.954 | 693.875 | 653.271 | 650.430 | 587.415 |
| 40 | 183.135 | 262.532 | 195.310 | 229.305 | 167.287 |
| 45 | 37.657 | 38.724 | 40.513 | 33.524 | 31.336 |
| 50 | 9.672 | 12.820 | 13.295 | 10.961 | 10.987 |
| 55 | 3.562 | 4.079 | 4.167 | 4.588 | 4.029 |
| 60 | 1.925 | 1.862 | 1.751 | 2.201 | 1.763 |
| 65 | 1.215 | 1.541 | 1.463 | 1.383 | 1.707 |
| 70 | 1.633 | 1.391 | 1.787 | 2.145 | 1.054 |
| 75 | 1.331 | 1.617 | 1.652 | 1.576 | 1.630 |
| 80 | 0.796 | 2.008 | 1.366 | 1.061 | 1.284 |
| 85 | 1.011 | 1.666 | 1.492 | 1.257 | 1.477 |
| 90 | 0.921 | 0.431 | 1.016 | 0.520 | 1.144 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-30LXXK-MDEX-TSG-GL.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1244.84 | N.A. | 50.80 |
| 0-30 | 1981.5 | N.A. | 80.80 |
| 0-40 | 2385.32 | N.A. | 97.30 |
| 0-60 | 2446.77 | N.A. | 99.80 |
| 0-80 | 2450.02 | N.A. | 99.90 |
| 0-90 | 2451.37 | N.A. | 100.00 |
| 10-90 | 2039.75 | N.A. | 83.20 |
| 20-40 | 1140.48 | N.A. | 46.50 |
| 20-50 | 1197.05 | N.A. | 48.80 |
| 40-70 | 63.07 | N.A. | 2.60 |
| 60-80 | 3.25 | N.A. | 0.10 |
| 70-80 | 1.64 | N.A. | 0.10 |
| 80-90 | 1.35 | 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 | 2451.37 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 411.62 |
| 10-20 | 833.22 |
| 20-30 | 736.67 |
| 30-40 | 403.81 |
| 40-50 | 56.57 |
| 50-60 | 4.88 |
| 60-70 | 1.61 |
| 70-80 | 1.64 |
| 80-90 | 1.35 |
| 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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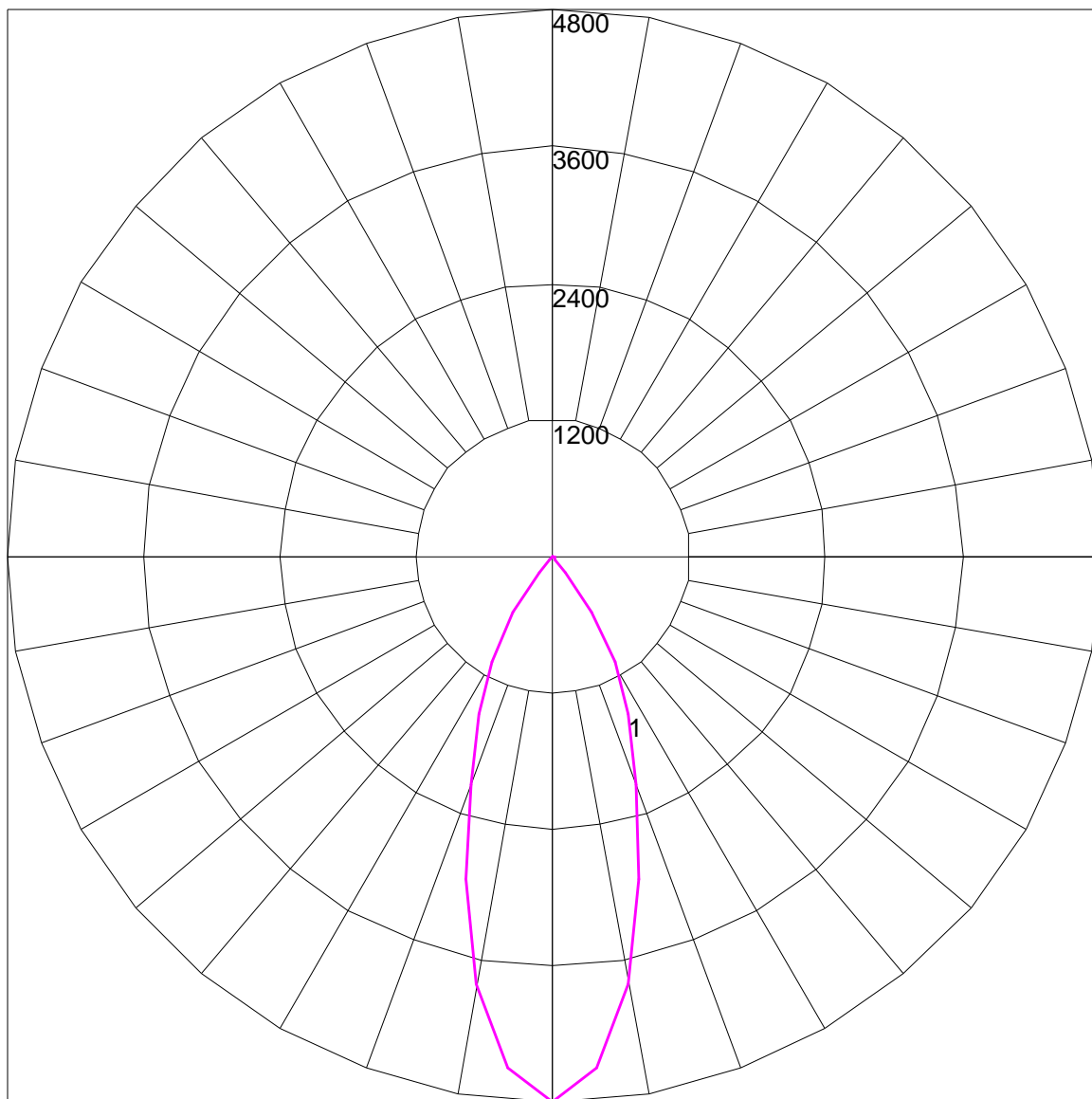
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 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 | 99 | 94 | 91 | 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 | 85 | 82 | 86 | 83 | 81 | 80 |
| 5 | 95 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 83 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 71 |
| 7 | 88 | 79 | 74 | 70 | 86 | 79 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 68 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 66 | 72 | 68 | 65 | 64 |
| 9 | 80 | 72 | 67 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 63 | 70 | 65 | 62 | 69 | 65 | 62 | 61 |
| 10 | 77 | 69 | 63 | 60 | 76 | 68 | 63 | 60 | 67 | 63 | 60 | 67 | 62 | 60 | 66 | 62 | 59 | 58 |

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POLAR GRAPH



Maximum Candela = 4800.161 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)