

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-13LXXKXWE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Jun 19 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476_2_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-13L-xxK-XW-E1-RD6x-SG-SOX

[LUMINAIRE] 6" aperture, Xtra Wide Beam

[TRIM] Semi-diffuse, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: RDFl6, RDFO6, RDZl6, and RDZO6 series

[OTHER] For Trims: RD6F and RD6N series with SOX or SOW

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1035 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 69 |
| Total Luminaire Watts | 15 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.88 |
| Spacing Criterion (90-270) | 0.88 |
| Spacing Criterion (Diagonal) | 0.80 |
| Basic Luminous Shape | Point |
| Luminous Length (0-180) | 0.00 ft |
| Luminous Width (90-270) | 0.00 ft |
| Luminous Height | 0.00 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 1364.108 | 1364.108 | 1364.108 | 1364.108 | 1364.108 |
| 5 | 1431.625 | 1374.745 | 1379.165 | 1377.711 | 1364.132 |
| 10 | 1387.433 | 1409.390 | 1394.793 | 1370.307 | 1381.593 |
| 15 | 1286.498 | 1283.084 | 1284.954 | 1288.235 | 1293.029 |
| 20 | 1078.774 | 1075.144 | 1069.481 | 1079.918 | 1083.891 |
| 25 | 788.044 | 796.011 | 792.563 | 786.510 | 799.487 |
| 30 | 460.395 | 456.420 | 460.697 | 460.590 | 463.744 |
| 35 | 176.943 | 175.698 | 173.672 | 177.021 | 177.005 |
| 40 | 77.997 | 79.771 | 80.506 | 79.227 | 78.270 |
| 45 | 53.282 | 52.424 | 50.968 | 51.813 | 52.972 |
| 50 | 33.025 | 32.464 | 31.411 | 31.226 | 32.152 |
| 55 | 19.157 | 19.869 | 20.784 | 19.843 | 18.616 |
| 60 | 1.934 | 2.031 | 2.085 | 1.797 | 1.942 |
| 65 | 0.356 | 0.403 | 0.348 | 0.302 | 0.242 |
| 70 | 0.265 | 0.265 | 0.226 | 0.242 | 0.242 |
| 75 | 0.135 | 0.177 | 0.120 | 0.107 | 0.133 |
| 80 | 0.099 | 0.065 | 0.070 | 0.109 | 0.062 |
| 85 | 0.052 | 0.039 | 0.026 | 0.023 | 0.013 |
| 90 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 485.50 | N.A. | 46.90 |
| 0-30 | 839.95 | N.A. | 81.20 |
| 0-40 | 976.16 | N.A. | 94.30 |
| 0-60 | 1033.78 | N.A. | 99.90 |
| 0-80 | 1034.64 | N.A. | 100.00 |
| 0-90 | 1034.68 | N.A. | 100.00 |
| 10-90 | 902.68 | N.A. | 87.20 |
| 20-40 | 490.66 | N.A. | 47.40 |
| 20-50 | 531.98 | N.A. | 51.40 |
| 40-70 | 58.33 | N.A. | 5.60 |
| 60-80 | 0.86 | N.A. | 0.10 |
| 70-80 | 0.16 | N.A. | 0.00 |
| 80-90 | 0.04 | 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 | 1034.68 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 132.00 |
| 10-20 | 353.50 |
| 20-30 | 354.45 |
| 30-40 | 136.21 |
| 40-50 | 41.32 |
| 50-60 | 16.30 |
| 60-70 | 0.71 |
| 70-80 | 0.16 |
| 80-90 | 0.04 |
| 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 |

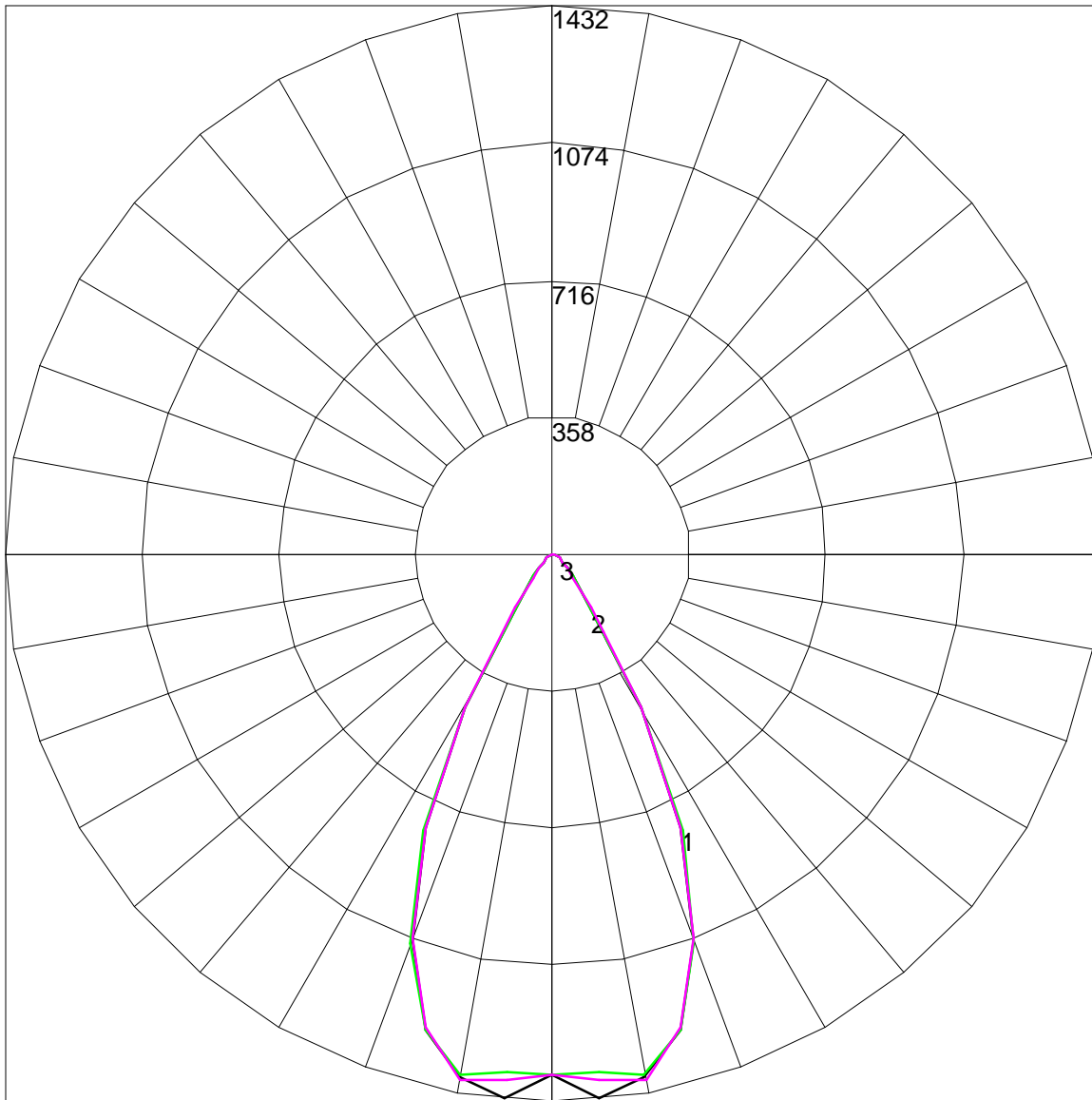
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1431.625 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)