

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-50LXXKXWE1-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 Jan 21 2016

[TEST] SP-00476_2

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-50L-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: RDFO6 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

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3980 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 74 |
| Total Luminaire Watts | 54 |
| 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 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-50LXXKXWE1-RD6XSGSOX.IES****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 | 5246.57 | 5246.57 | 5246.57 | 5246.57 | 5246.57 |
| 5 | 5506.25 | 5287.48 | 5304.48 | 5298.89 | 5246.66 |
| 10 | 5336.28 | 5420.73 | 5364.59 | 5270.41 | 5313.82 |
| 15 | 4948.07 | 4934.94 | 4942.13 | 4954.75 | 4973.19 |
| 20 | 4149.13 | 4135.17 | 4113.39 | 4153.53 | 4168.81 |
| 25 | 3030.94 | 3061.58 | 3048.32 | 3025.04 | 3074.95 |
| 30 | 1770.75 | 1755.46 | 1771.91 | 1771.50 | 1783.63 |
| 35 | 680.55 | 675.76 | 667.97 | 680.85 | 680.79 |
| 40 | 299.99 | 306.81 | 309.64 | 304.72 | 301.04 |
| 45 | 204.93 | 201.63 | 196.03 | 199.28 | 203.74 |
| 50 | 127.02 | 124.86 | 120.81 | 120.10 | 123.66 |
| 55 | 73.68 | 76.42 | 79.94 | 76.32 | 71.60 |
| 60 | 7.44 | 7.81 | 8.02 | 6.91 | 7.47 |
| 65 | 1.37 | 1.55 | 1.34 | 1.16 | 0.93 |
| 70 | 1.02 | 1.02 | 0.87 | 0.93 | 0.93 |
| 75 | 0.52 | 0.68 | 0.46 | 0.41 | 0.51 |
| 80 | 0.38 | 0.25 | 0.27 | 0.42 | 0.24 |
| 85 | 0.20 | 0.15 | 0.10 | 0.09 | 0.05 |
| 90 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1867.3 | N.A. | 46.90 |
| 0-30 | 3230.57 | N.A. | 81.20 |
| 0-40 | 3754.46 | N.A. | 94.30 |
| 0-60 | 3976.07 | N.A. | 99.90 |
| 0-80 | 3979.39 | N.A. | 100.00 |
| 0-90 | 3979.55 | N.A. | 100.00 |
| 10-90 | 3471.85 | N.A. | 87.20 |
| 20-40 | 1887.16 | N.A. | 47.40 |
| 20-50 | 2046.09 | N.A. | 51.40 |
| 40-70 | 224.33 | N.A. | 5.60 |
| 60-80 | 3.33 | N.A. | 0.10 |
| 70-80 | 0.60 | N.A. | 0.00 |
| 80-90 | 0.15 | 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 | 3979.55 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 507.70 |
| 10-20 | 1359.6 |
| 20-30 | 1363.28 |
| 30-40 | 523.89 |
| 40-50 | 158.93 |
| 50-60 | 62.68 |
| 60-70 | 2.72 |
| 70-80 | 0.60 |
| 80-90 | 0.15 |
| 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 |

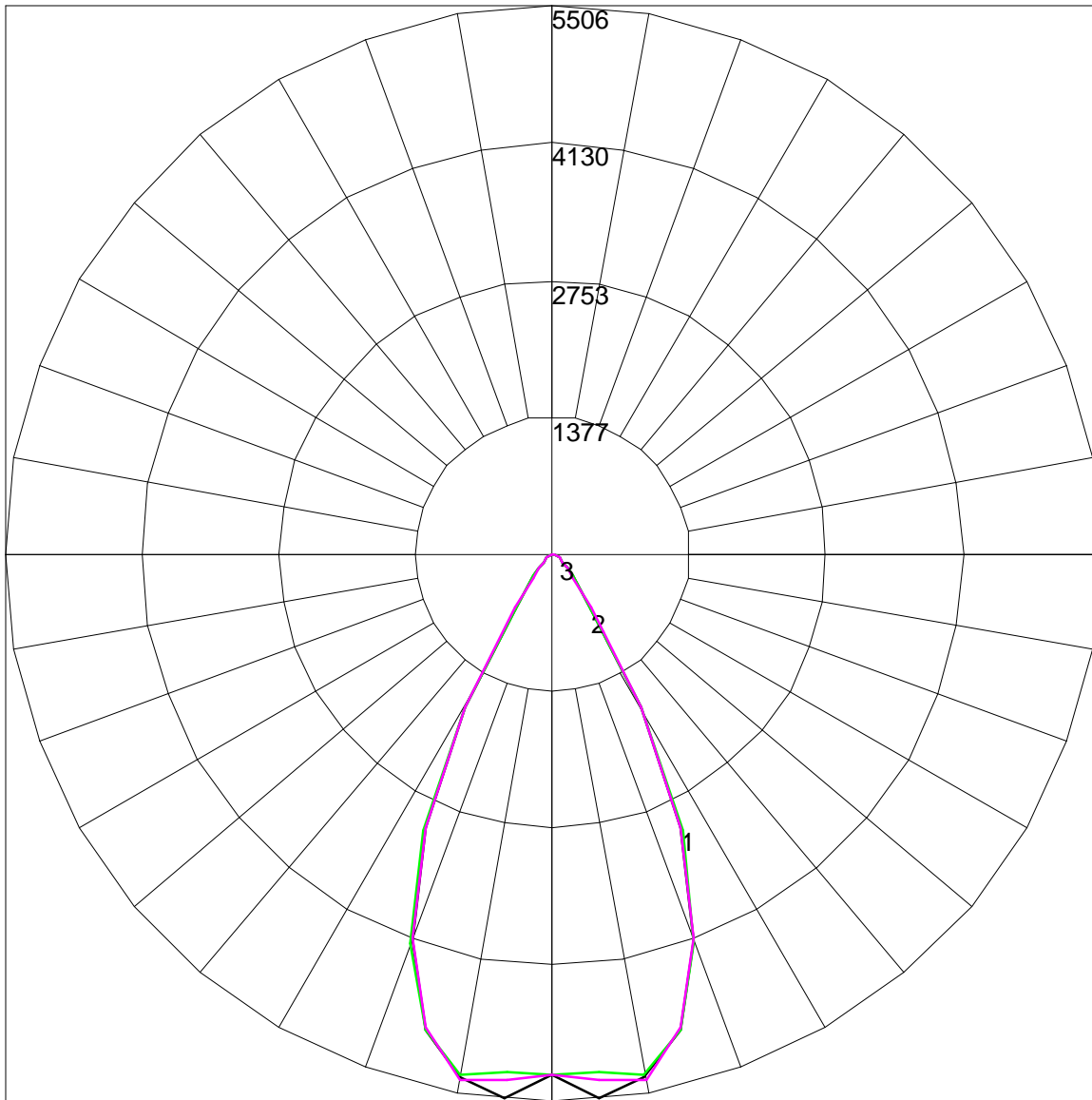
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 107 | 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 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 75 | 73 |
| 6 | 90 | 82 | 76 | 72 | 89 | 81 | 76 | 72 | 80 | 75 | 72 | 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 = 5506.25 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)