

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-15L35KE1-PR16-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Mon Jul 25 2016

[UPDATE] Fri Aug 4 2017

[TEST] SP-00392_35_M-15L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-15L-35K-E1-PR16-1MR

[LUMINAIRE] LED Prismatic Tech Pendant with Formed Metal Ring

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Outside Diam. ring, Matte White Finish, 16" Diam. Open Center

[LAMP] N/A, Gen3

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 5000K x 1.06, 4000K X 1.03, 3000K X 0.985, 2700K X 0.971

[OTHER] This report prepared by Spectrum Lighting, scaled from 55L Gen2

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1272 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 127 |
| Total Luminaire Watts | 10 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.92 |
| Spacing Criterion (90-270) | 0.92 |
| Spacing Criterion (Diagonal) | 0.94 |
| Basic Luminous Shape | Circular w/ Sides |
| Luminous Length (0-180) | 1.33 ft (Diameter) |
| Luminous Width (90-270) | 1.33 ft (Diameter) |
| Luminous Height | 1.03 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 741 | 742 | 752 |
| 55 | 477 | 467 | 462 |
| 65 | 333 | 325 | 326 |
| 75 | 203 | 199 | 201 |
| 85 | 72 | 75 | 73 |

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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 | 1143.541 | 1143.541 | 1143.541 | 1143.541 | 1143.541 |
| 5 | 1089.051 | 1088.879 | 1091.971 | 1096.260 | 1086.134 |
| 10 | 1016.062 | 1006.286 | 994.613 | 1007.103 | 1008.656 |
| 15 | 904.572 | 919.904 | 910.323 | 918.068 | 914.140 |
| 20 | 820.705 | 824.674 | 824.224 | 826.116 | 826.916 |
| 25 | 743.368 | 744.454 | 752.394 | 755.783 | 751.527 |
| 30 | 637.940 | 633.887 | 631.987 | 641.696 | 637.254 |
| 35 | 411.100 | 409.013 | 410.549 | 408.947 | 398.085 |
| 40 | 204.472 | 202.891 | 204.350 | 200.494 | 193.488 |
| 45 | 134.677 | 133.661 | 134.789 | 136.053 | 136.719 |
| 50 | 103.967 | 103.205 | 102.794 | 101.897 | 100.189 |
| 55 | 85.182 | 85.004 | 83.476 | 84.165 | 82.662 |
| 60 | 69.586 | 68.255 | 68.814 | 68.536 | 68.792 |
| 65 | 56.705 | 55.835 | 55.318 | 56.107 | 55.543 |
| 70 | 43.403 | 42.926 | 43.326 | 43.181 | 42.687 |
| 75 | 31.794 | 31.561 | 31.233 | 30.897 | 31.500 |
| 80 | 21.268 | 21.385 | 21.257 | 21.102 | 21.210 |
| 85 | 9.912 | 10.445 | 10.409 | 10.151 | 10.170 |
| 90 | 0.192 | 0.272 | 0.292 | 0.278 | 0.289 |
| 95 | 0.547 | 0.592 | 0.603 | 0.581 | 0.503 |
| 100 | 1.145 | 1.117 | 1.161 | 1.222 | 1.258 |
| 105 | 2.170 | 2.036 | 1.961 | 2.234 | 1.903 |
| 110 | 3.870 | 3.392 | 3.739 | 3.372 | 3.584 |
| 115 | 4.300 | 4.375 | 4.439 | 4.367 | 4.234 |
| 120 | 5.320 | 5.123 | 4.906 | 5.137 | 4.848 |
| 125 | 5.442 | 5.948 | 5.637 | 5.375 | 5.314 |
| 130 | 5.987 | 5.853 | 6.159 | 6.067 | 6.231 |
| 135 | 6.648 | 6.592 | 6.801 | 6.451 | 6.503 |
| 140 | 7.564 | 7.192 | 7.392 | 7.351 | 7.273 |
| 145 | 7.681 | 7.873 | 7.815 | 8.020 | 7.920 |
| 150 | 8.440 | 8.120 | 8.740 | 8.223 | 8.512 |
| 155 | 9.304 | 9.156 | 9.087 | 8.901 | 9.065 |
| 160 | 9.456 | 9.337 | 9.176 | 9.159 | 9.329 |
| 165 | 10.743 | 9.598 | 9.809 | 10.212 | 9.012 |
| 170 | 11.170 | 10.245 | 9.506 | 10.654 | 10.181 |
| 175 | 10.004 | 11.234 | 10.787 | 10.090 | 10.073 |
| 180 | 10.881 | 10.881 | 10.881 | 10.881 | 10.881 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 358.90 | N.A. | 28.20 |
| 0-30 | 699.50 | N.A. | 55.00 |
| 0-40 | 955.08 | N.A. | 75.10 |
| 0-60 | 1141.34 | N.A. | 89.70 |
| 0-80 | 1230.2 | N.A. | 96.70 |
| 0-90 | 1241.65 | N.A. | 97.60 |
| 10-90 | 1139.94 | N.A. | 89.60 |
| 20-40 | 596.18 | N.A. | 46.90 |
| 20-50 | 706.53 | N.A. | 55.50 |
| 40-70 | 241.59 | N.A. | 19.00 |
| 60-80 | 88.87 | N.A. | 7.00 |
| 70-80 | 33.53 | N.A. | 2.60 |
| 80-90 | 11.45 | N.A. | 0.90 |
| 90-110 | 3.04 | N.A. | 0.20 |
| 90-120 | 7.34 | N.A. | 0.60 |
| 90-130 | 12.33 | N.A. | 1.00 |
| 90-150 | 22.40 | N.A. | 1.80 |
| 90-180 | 30.31 | N.A. | 2.40 |
| 110-180 | 27.27 | N.A. | 2.10 |
| 0-180 | 1271.96 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 101.71 |
| 10-20 | 257.19 |
| 20-30 | 340.60 |
| 30-40 | 255.59 |
| 40-50 | 110.35 |
| 50-60 | 75.91 |
| 60-70 | 55.34 |
| 70-80 | 33.53 |
| 80-90 | 11.45 |
| 90-100 | 0.71 |
| 100-110 | 2.34 |
| 110-120 | 4.30 |
| 120-130 | 4.99 |
| 130-140 | 5.14 |
| 140-150 | 4.93 |
| 150-160 | 4.14 |
| 160-170 | 2.77 |
| 170-180 | 1.00 |

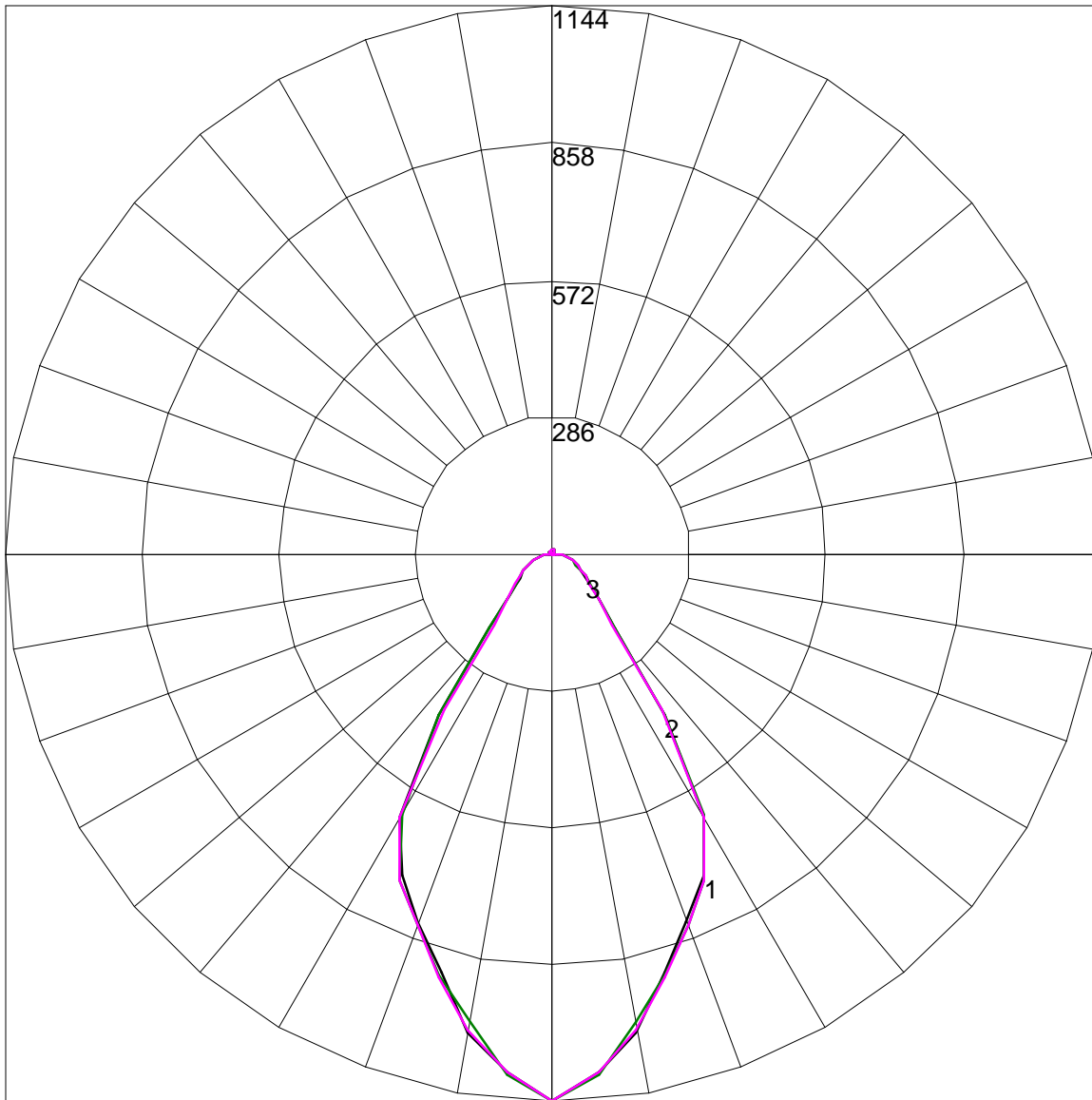
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 111 | 108 | 104 | 102 | 108 | 105 | 102 | 100 | 101 | 98 | 96 | 96 | 95 | 93 | 93 | 91 | 90 | 88 |
| 2 | 104 | 98 | 93 | 89 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 |
| 3 | 97 | 90 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 82 | 78 | 75 | 79 | 76 | 73 | 71 |
| 4 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 70 | 78 | 73 | 69 | 76 | 71 | 68 | 74 | 70 | 67 | 65 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 64 | 60 | 56 | 55 |
| 7 | 76 | 66 | 59 | 54 | 75 | 65 | 58 | 53 | 63 | 57 | 53 | 62 | 56 | 53 | 60 | 56 | 52 | 50 |
| 8 | 72 | 61 | 54 | 50 | 71 | 61 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 48 | 47 |
| 9 | 68 | 57 | 51 | 46 | 67 | 57 | 50 | 46 | 56 | 50 | 46 | 54 | 49 | 45 | 53 | 49 | 45 | 44 |
| 10 | 65 | 54 | 47 | 43 | 64 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 42 | 50 | 46 | 42 | 41 |

POLAR GRAPH



Maximum Candela = 1143.541 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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