

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDLX-65L35KE1-PR16-CFG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Sep 08 2016

[UPDATE] Wed May 24 2017

[TEST] SP-00392_37_M-65L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-65L-35K-E1-PR16-CFG

[LUMINAIRE] LED Prismatic Tech Pendant with Center Frosted Glass Disc

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Diam. Sodalime Glass disc, with 16" Diam. Frosted Center Pattern

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] This report prepared by Spectrum Lighting, scaled from 100L

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5226 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 97 |
| Total Luminaire Watts | 54.1 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.90 |
| Spacing Criterion (90-270) | 0.90 |
| Spacing Criterion (Diagonal) | 0.92 |
| 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 | 4298 | 4248 | 4354 |
| 55 | 2026 | 2104 | 2056 |
| 65 | 1101 | 1105 | 1114 |
| 75 | 572 | 571 | 546 |
| 85 | 312 | 297 | 303 |

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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 | 4376.019 | 4376.019 | 4376.019 | 4376.019 | 4376.019 |
| 5 | 4314.282 | 4369.519 | 4391.000 | 4414.141 | 4431.595 |
| 10 | 4149.674 | 4174.502 | 4167.195 | 4176.396 | 4174.582 |
| 15 | 3836.932 | 3779.889 | 3774.642 | 3804.830 | 3763.942 |
| 20 | 3332.040 | 3297.885 | 3308.132 | 3282.017 | 3301.052 |
| 25 | 2758.658 | 2751.564 | 2744.537 | 2750.644 | 2762.765 |
| 30 | 2188.229 | 2176.202 | 2185.683 | 2183.709 | 2183.789 |
| 35 | 1608.634 | 1623.295 | 1623.535 | 1610.361 | 1613.854 |
| 40 | 1131.157 | 1134.683 | 1132.057 | 1136.930 | 1153.164 |
| 45 | 780.992 | 777.379 | 771.785 | 783.546 | 791.053 |
| 50 | 533.553 | 528.366 | 537.074 | 538.694 | 521.826 |
| 55 | 362.191 | 367.118 | 376.105 | 372.565 | 367.458 |
| 60 | 259.900 | 271.547 | 260.446 | 264.967 | 265.573 |
| 65 | 187.549 | 185.869 | 188.309 | 186.369 | 189.729 |
| 70 | 127.860 | 126.020 | 128.473 | 128.106 | 133.440 |
| 75 | 89.771 | 86.304 | 89.504 | 87.038 | 85.664 |
| 80 | 62.116 | 58.043 | 60.643 | 62.743 | 59.043 |
| 85 | 43.229 | 41.909 | 41.182 | 42.589 | 41.982 |
| 90 | 25.321 | 27.301 | 27.221 | 26.455 | 25.661 |
| 95 | 30.502 | 30.442 | 30.075 | 31.995 | 29.801 |
| 100 | 30.322 | 31.182 | 30.862 | 31.755 | 31.562 |
| 105 | 33.768 | 34.442 | 37.202 | 36.522 | 33.882 |
| 110 | 31.982 | 34.468 | 35.895 | 34.135 | 35.788 |
| 115 | 29.575 | 31.042 | 30.275 | 30.115 | 30.395 |
| 120 | 27.415 | 25.948 | 25.808 | 25.801 | 25.381 |
| 125 | 24.901 | 23.808 | 24.428 | 22.921 | 23.128 |
| 130 | 23.234 | 22.928 | 22.548 | 21.828 | 21.548 |
| 135 | 23.661 | 22.748 | 22.894 | 21.701 | 22.541 |
| 140 | 24.481 | 25.235 | 24.561 | 24.201 | 24.481 |
| 145 | 29.961 | 27.921 | 28.481 | 26.728 | 29.141 |
| 150 | 34.108 | 33.775 | 32.615 | 32.515 | 32.948 |
| 155 | 34.202 | 34.848 | 34.628 | 33.022 | 36.255 |
| 160 | 32.035 | 36.042 | 34.028 | 36.255 | 33.508 |
| 165 | 32.842 | 36.055 | 34.942 | 33.682 | 34.095 |
| 170 | 32.288 | 34.168 | 30.322 | 34.068 | 32.902 |
| 175 | 24.915 | 24.921 | 25.955 | 28.661 | 34.888 |
| 180 | 26.975 | 26.975 | 26.975 | 26.975 | 26.975 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1467.46 | N.A. | 28.10 |
| 0-30 | 2726.8 | N.A. | 52.20 |
| 0-40 | 3745.79 | N.A. | 71.70 |
| 0-60 | 4708.98 | N.A. | 90.10 |
| 0-80 | 4994.92 | N.A. | 95.60 |
| 0-90 | 5041.6 | N.A. | 96.50 |
| 10-90 | 4630.73 | N.A. | 88.60 |
| 20-40 | 2278.34 | N.A. | 43.60 |
| 20-50 | 2898.36 | N.A. | 55.50 |
| 40-70 | 1153.04 | N.A. | 22.10 |
| 60-80 | 285.94 | N.A. | 5.50 |
| 70-80 | 96.09 | N.A. | 1.80 |
| 80-90 | 46.68 | N.A. | 0.90 |
| 90-110 | 68.65 | N.A. | 1.30 |
| 90-120 | 98.80 | N.A. | 1.90 |
| 90-130 | 120.35 | N.A. | 2.30 |
| 90-150 | 156.03 | N.A. | 3.00 |
| 90-180 | 184.34 | N.A. | 3.50 |
| 110-180 | 115.69 | N.A. | 2.20 |
| 0-180 | 5225.94 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 410.87 |
| 10-20 | 1056.59 |
| 20-30 | 1259.35 |
| 30-40 | 1018.99 |
| 40-50 | 620.03 |
| 50-60 | 343.16 |
| 60-70 | 189.85 |
| 70-80 | 96.09 |
| 80-90 | 46.68 |
| 90-100 | 32.49 |
| 100-110 | 36.16 |
| 110-120 | 30.14 |
| 120-130 | 21.56 |
| 130-140 | 17.85 |
| 140-150 | 17.83 |
| 150-160 | 15.81 |
| 160-170 | 9.71 |
| 170-180 | 2.80 |

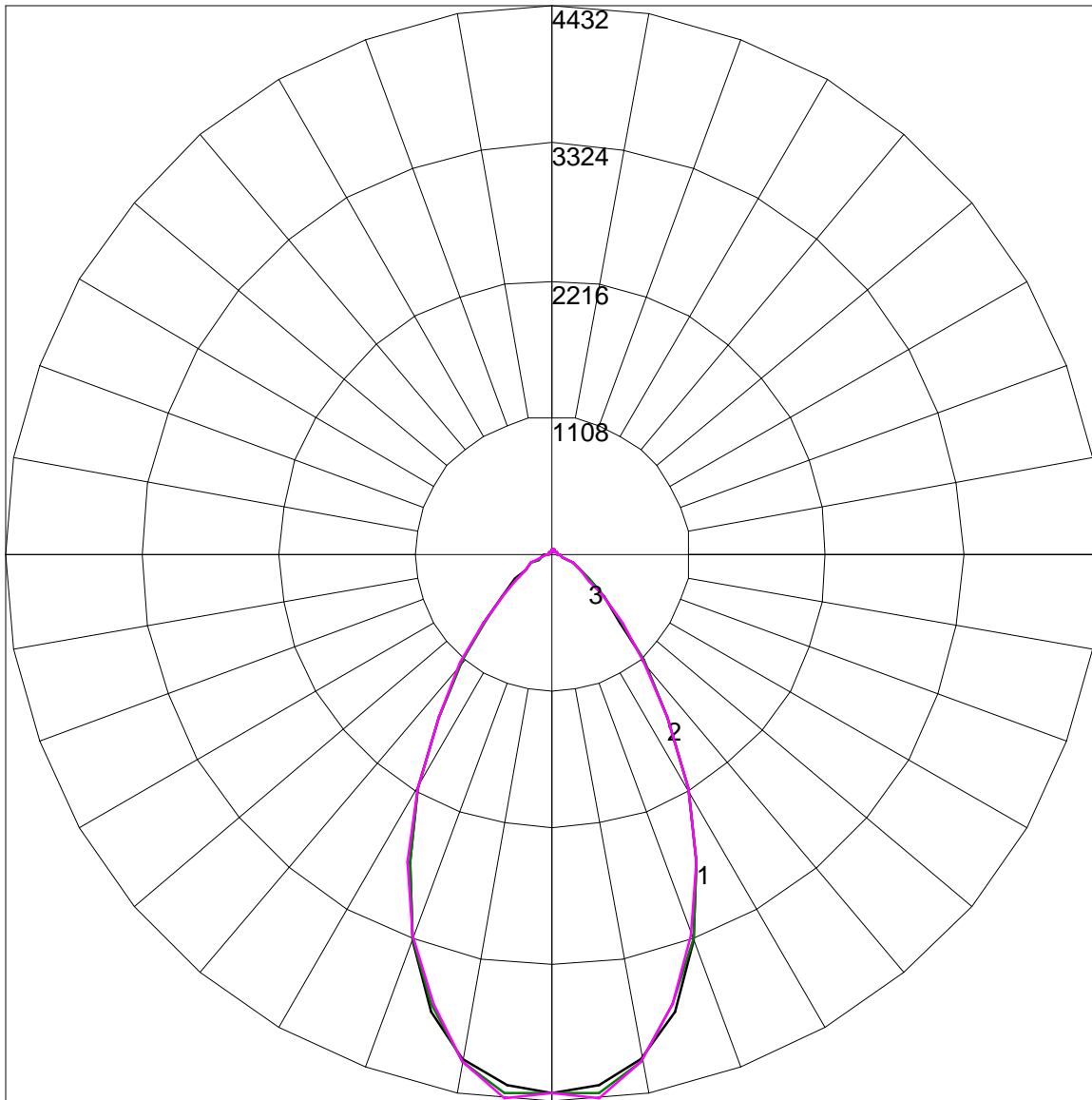
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 96 |
| 1 | 111 | 107 | 104 | 102 | 108 | 105 | 102 | 100 | 100 | 98 | 96 | 96 | 94 | 92 | 92 | 90 | 89 | 87 |
| 2 | 104 | 98 | 93 | 89 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 88 | 85 | 82 | 85 | 82 | 80 | 78 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 84 | 80 | 76 | 81 | 77 | 74 | 79 | 75 | 72 | 71 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 70 | 78 | 72 | 68 | 75 | 71 | 67 | 73 | 69 | 66 | 64 |
| 5 | 86 | 76 | 69 | 63 | 83 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 68 | 64 | 60 | 58 |
| 6 | 80 | 70 | 63 | 58 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 63 | 59 | 55 | 54 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 59 | 55 | 51 | 49 |
| 8 | 72 | 61 | 54 | 49 | 70 | 60 | 53 | 49 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 47 | 46 |
| 9 | 68 | 57 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 53 | 48 | 44 | 52 | 48 | 44 | 42 |
| 10 | 64 | 53 | 47 | 42 | 63 | 53 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 49 | 45 | 41 | 40 |

POLAR GRAPH



Maximum Candela = 4431.595 Located At Horizontal Angle = 90, Vertical Angle = 5

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

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

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