

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PRX22LEDLX-100L35KE1-PR22-FGR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 12 2016

[UPDATE] Thu May 24 2017

[TEST] SP-00525\_3\_m

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-100L-35K-E1-PR22-FGR

[LUMINAIRE] LED Prismatic Tech Pendant with Frosted Glass Ring

[OTHER] 22" Diam. clear acrylic refractor

[OTHER] 28" Outside Diam. ring, with 22" Diam. Open Center

[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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	81.06
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	1.33 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1703	1684	1666
55	868	882	902
65	368	377	373
75	255	251	262
85	190	188	188

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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>
<b>0</b>	6814.43	6814.43	6814.43	6814.43	6814.43
<b>5</b>	7174.87	7076.17	7081.96	7116.67	7044.78
<b>10</b>	7559.33	7569.00	7540.31	7584.77	7580.13
<b>15</b>	7379.41	7385.98	7408.59	7421.60	7419.21
<b>20</b>	6882.22	6847.75	6880.07	6885.84	6785.03
<b>25</b>	5847.99	5803.28	5788.17	5746.54	5679.66
<b>30</b>	4161.29	4138.13	4113.17	4102.03	4038.72
<b>35</b>	2719.97	2747.63	2716.34	2705.58	2687.26
<b>40</b>	1289.67	1265.66	1261.16	1267.26	1259.34
<b>45</b>	569.44	567.04	562.95	559.92	556.95
<b>50</b>	402.20	418.89	418.00	407.98	416.07
<b>55</b>	283.78	284.93	288.54	287.79	295.09
<b>60</b>	166.53	169.91	169.21	166.72	176.22
<b>65</b>	113.99	118.18	116.64	115.25	115.43
<b>70</b>	84.57	85.29	85.32	87.19	90.37
<b>75</b>	72.14	72.42	71.05	74.00	74.29
<b>80</b>	68.09	66.46	67.62	70.34	67.96
<b>85</b>	47.09	46.95	46.56	47.25	46.50
<b>90</b>	38.84	39.69	38.67	38.32	38.79
<b>95</b>	39.63	38.83	39.41	37.65	37.59
<b>100</b>	46.77	46.56	46.75	44.38	43.82
<b>105</b>	58.97	59.13	56.68	59.98	56.76
<b>110</b>	61.54	60.64	59.68	64.39	60.83
<b>115</b>	57.05	56.74	57.73	57.32	55.37
<b>120</b>	61.86	61.95	62.22	60.71	61.49
<b>125</b>	68.84	70.16	71.24	71.18	72.54
<b>130</b>	74.20	78.54	78.15	78.00	77.30
<b>135</b>	88.22	87.21	87.89	87.06	85.53
<b>140</b>	99.51	99.41	101.47	98.18	94.83
<b>145</b>	106.46	107.30	104.73	107.66	104.39
<b>150</b>	115.24	115.94	116.65	114.32	116.62
<b>155</b>	115.44	120.99	124.76	122.94	118.93
<b>160</b>	118.03	116.86	125.41	118.89	112.70
<b>165</b>	108.13	114.52	107.27	104.70	101.36
<b>170</b>	108.04	109.69	110.09	108.57	97.85
<b>175</b>	105.62	102.48	129.19	102.63	103.94
<b>180</b>	111.23	111.23	111.23	111.23	111.23

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2754.5	N.A.	32.40
0-30	5331.35	N.A.	62.70
0-40	7002.3	N.A.	82.30
0-60	7796.67	N.A.	91.60
0-80	7996.58	N.A.	94.00
0-90	8051.31	N.A.	94.60
10-90	7360.51	N.A.	86.50
20-40	4247.8	N.A.	49.90
20-50	4784.09	N.A.	56.20
40-70	915.06	N.A.	10.80
60-80	199.91	N.A.	2.30
70-80	79.23	N.A.	0.90
80-90	54.73	N.A.	0.60
90-110	103.35	N.A.	1.20
90-120	162.19	N.A.	1.90
90-130	225.08	N.A.	2.60
90-150	359.84	N.A.	4.20
90-180	457.01	N.A.	5.40
110-180	353.66	N.A.	4.20
0-180	8508.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	690.81
10-20	2063.69
20-30	2576.85
30-40	1670.94
40-50	536.29
50-60	258.09
60-70	120.68
70-80	79.23
80-90	54.73
90-100	44.15
100-110	59.21
110-120	58.84
120-130	62.89
130-140	67.81
140-150	66.95
150-160	55.25
160-170	31.49
170-180	10.43

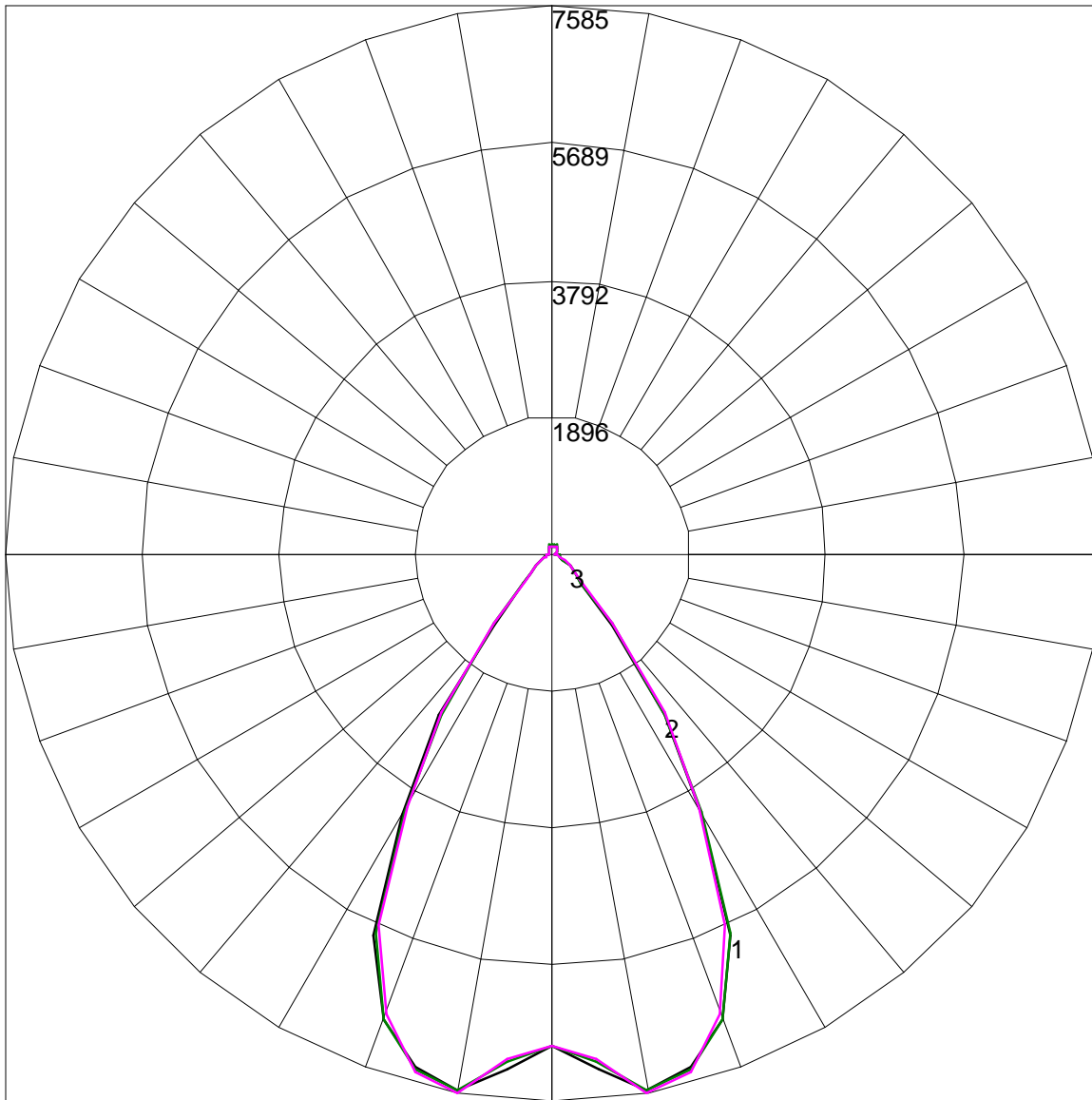
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	111	108	105	103	108	106	103	101	100	98	97	96	94	93	92	90	89	87
2	105	100	95	91	102	97	93	90	93	90	87	90	87	85	86	84	82	80
3	99	92	87	82	97	90	85	81	87	83	79	84	80	77	81	78	76	74
4	94	85	79	75	91	84	78	74	81	76	73	78	74	71	76	73	70	68
5	88	79	73	68	86	78	72	68	76	71	67	73	69	66	71	68	65	63
6	84	74	68	63	82	73	67	63	71	66	62	69	64	61	67	63	60	58
7	79	69	63	58	77	68	62	58	67	61	57	65	60	57	63	59	56	54
8	75	65	59	54	74	64	58	54	63	57	53	61	56	53	60	55	52	51
9	71	61	55	51	70	60	54	50	59	54	50	58	53	49	56	52	49	48
10	68	58	51	47	66	57	51	47	56	50	47	55	50	46	53	49	46	45

POLAR GRAPH



Maximum Candela = 7584.77 Located At Horizontal Angle = 67.5, Vertical Angle = 10

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

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

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