

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PRX22LEDLX-140L35KE1-PR22-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 12 2016

[UPDATE] Thu May 24 2017

[TEST] SP-00525\_2\_m-140L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-140L-35K-E1-PR22-1MR

[LUMINAIRE] LED Prismatic Tech Pendant with Formed Metal Ring

[OTHER] 22" Diam. clear acrylic refractor

[OTHER] 28" Outside Diam. ring, Matte White Finish, 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, scaled from 100L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	111.89
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.06
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	1769	1777	1750
55	905	940	940
65	365	363	374
75	218	213	215
85	125	114	124

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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>	8132.089	8132.089	8132.089	8132.089	8132.089
<b>5</b>	8612.646	8632.621	8579.205	8643.635	8580.844
<b>10</b>	9303.688	9309.415	9252.936	9304.500	9296.735
<b>15</b>	9074.224	9097.704	9131.073	9193.821	8993.765
<b>20</b>	8470.094	8476.021	8482.248	8476.335	8435.814
<b>25</b>	7227.754	7224.064	7162.669	7105.991	7038.384
<b>30</b>	5133.868	5104.004	5060.576	5049.135	4976.071
<b>35</b>	3314.683	3315.923	3285.190	3295.976	3296.603
<b>40</b>	1459.038	1464.908	1452.626	1446.158	1466.233
<b>45</b>	591.449	606.979	594.213	598.829	584.909
<b>50</b>	429.862	442.115	441.090	437.015	451.305
<b>55</b>	295.874	305.335	307.372	303.340	307.329
<b>60</b>	165.790	169.523	166.858	167.913	170.705
<b>65</b>	112.930	114.269	112.417	113.286	115.907
<b>70</b>	79.119	78.478	77.452	78.620	83.422
<b>75</b>	61.808	61.537	60.340	64.529	60.882
<b>80</b>	47.745	45.765	47.617	47.047	46.890
<b>85</b>	30.861	27.584	28.225	27.328	30.733
<b>90</b>	58.816	56.394	56.892	55.296	57.120
<b>95</b>	59.257	56.679	58.474	57.305	55.952
<b>100</b>	75.415	75.272	75.614	71.069	71.212
<b>105</b>	126.665	127.833	121.322	125.183	122.917
<b>110</b>	168.055	163.738	165.149	170.506	170.577
<b>115</b>	194.286	191.080	189.427	191.379	192.847
<b>120</b>	217.353	220.160	219.433	219.305	221.072
<b>125</b>	251.776	247.046	246.220	251.178	254.127
<b>130</b>	276.696	276.995	277.209	274.445	284.404
<b>135</b>	302.813	299.407	303.981	300.562	297.840
<b>140</b>	314.852	320.124	322.119	321.193	319.241
<b>145</b>	328.616	331.451	325.624	327.818	331.750
<b>150</b>	346.141	337.521	331.238	340.242	333.047
<b>155</b>	326.578	335.982	331.480	333.973	335.982
<b>160</b>	311.575	317.802	318.514	317.303	307.002
<b>165</b>	307.828	295.162	299.350	290.431	293.138
<b>170</b>	267.278	291.927	305.563	274.303	275.172
<b>175</b>	299.664	275.214	302.257	300.875	304.722
<b>180</b>	301.986	301.986	301.986	301.986	301.986

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3381.86	N.A.	30.80
0-30	6567.89	N.A.	59.70
0-40	8593.83	N.A.	78.20
0-60	9454.8	N.A.	86.00
0-80	9638.00	N.A.	87.70
0-90	9681.8	N.A.	88.10
10-90	8841.11	N.A.	80.40
20-40	5211.97	N.A.	47.40
20-50	5801.81	N.A.	52.80
40-70	978.22	N.A.	8.90
60-80	183.20	N.A.	1.70
70-80	65.96	N.A.	0.60
80-90	43.80	N.A.	0.40
90-110	196.40	N.A.	1.80
90-120	387.07	N.A.	3.50
90-130	609.96	N.A.	5.50
90-150	1048.17	N.A.	9.50
90-180	1313.95	N.A.	11.90
110-180	1117.56	N.A.	10.20
0-180	10995.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	840.69
10-20	2541.16
20-30	3186.03
30-40	2025.94
40-50	589.84
50-60	271.13
60-70	117.25
70-80	65.96
80-90	43.80
90-100	66.94
100-110	129.45
110-120	190.67
120-130	222.89
130-140	231.89
140-150	206.32
150-160	152.89
160-170	84.97
170-180	27.92

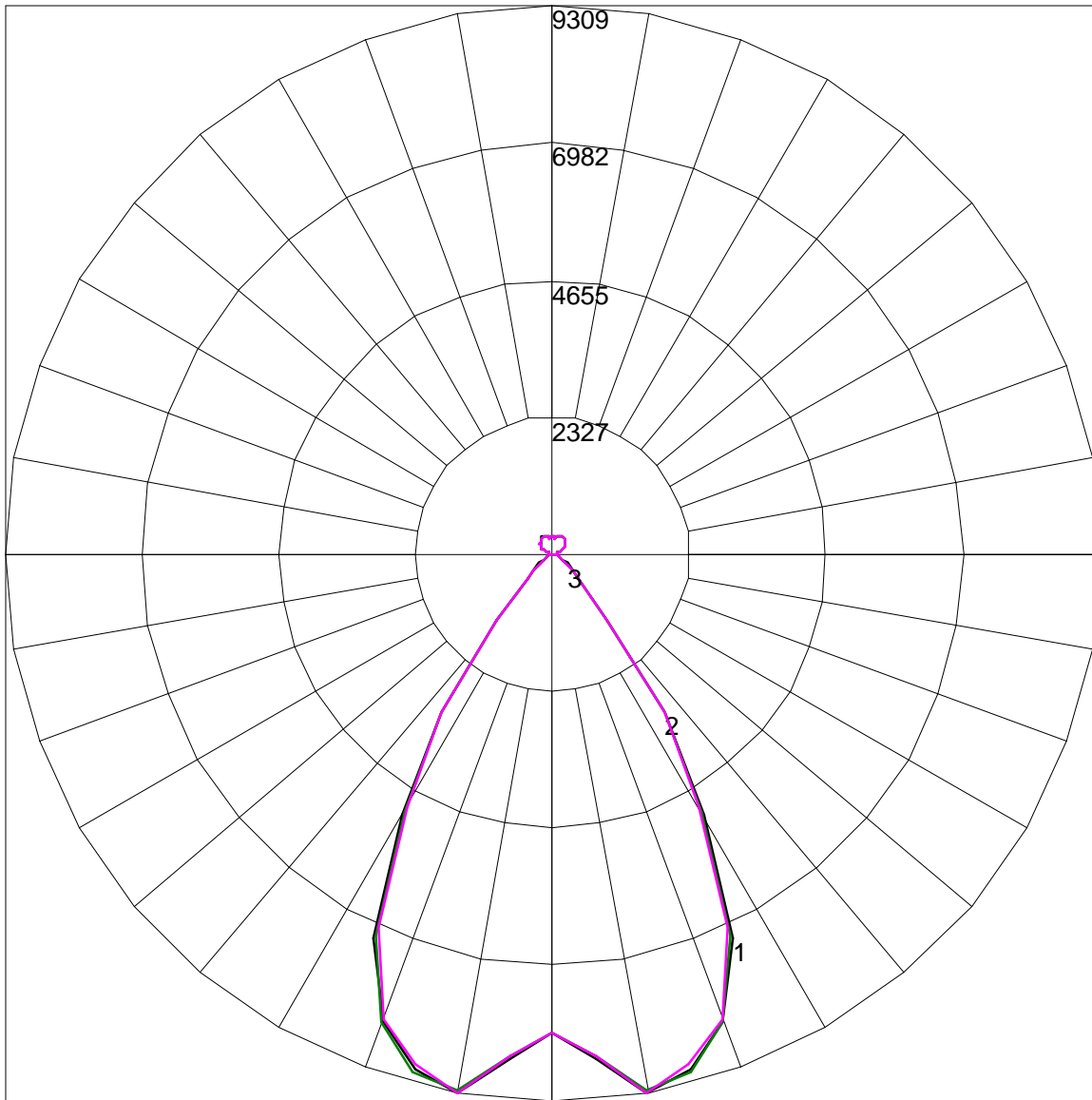
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	110	107	104	101	106	103	101	99	97	95	93	91	90	89	86	85	84	81
2	104	98	94	90	100	95	91	88	90	87	84	85	83	81	81	79	77	75
3	98	91	85	81	95	88	83	79	84	80	77	80	77	74	76	74	71	69
4	92	84	78	73	89	82	77	72	78	74	70	75	71	68	72	69	66	64
5	87	78	72	67	84	76	71	66	73	68	65	70	66	63	67	64	61	59
6	82	73	66	62	80	71	65	61	68	63	60	66	62	58	63	60	57	55
7	78	68	61	57	76	67	61	56	64	59	55	62	58	54	60	56	53	51
8	74	64	57	53	72	62	57	52	60	55	51	58	54	51	57	53	50	48
9	70	60	53	49	68	59	53	49	57	52	48	55	51	47	53	49	47	45
10	66	56	50	46	65	55	50	46	54	49	45	52	48	44	51	47	44	42

POLAR GRAPH



Maximum Candela = 9309.415 Located At Horizontal Angle = 22.5, 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)