

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

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 12 2016

[UPDATE] Thu May 24 2017

[TEST] SP-00525\_4\_m-140L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-140L-35K-E1-PR22-CFG

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

[OTHER] 22" Diam. clear acrylic refractor

[OTHER] 28" Diam. Sodalime Glass disc, with 22" 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	10527
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	111.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.00
Spacing Criterion (Diagonal)	0.98
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	4335	4273	4304
55	2071	2077	2057
65	1039	1013	1020
75	579	580	602
85	464	448	436

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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	7591.235	7591.235	7591.235	7591.235	7591.235
5	7765.787	7637.470	7627.297	7624.148	7683.234
10	7603.616	7565.289	7628.052	7597.347	7543.761
15	7257.134	7163.752	7173.056	7257.077	7232.841
20	6593.490	6601.968	6566.704	6519.272	6533.691
25	5688.714	5692.418	5648.905	5650.173	5582.709
30	4485.798	4471.336	4501.285	4475.910	4448.368
35	3318.089	3318.017	3336.753	3313.259	3262.650
40	2237.321	2224.683	2227.176	2227.005	2218.912
45	1449.093	1446.785	1428.661	1434.161	1438.991
50	965.217	977.199	981.730	981.046	961.427
55	677.250	677.150	679.245	678.290	672.506
60	454.483	464.870	458.016	456.435	461.806
65	321.734	319.711	313.912	309.780	315.921
70	224.150	223.594	219.077	224.435	220.388
75	163.852	163.510	164.265	161.686	170.420
80	139.160	141.440	142.622	141.611	143.235
85	114.896	108.541	111.020	109.809	108.014
90	61.651	62.292	63.005	59.785	62.477
95	80.088	77.880	78.122	76.127	76.996
100	106.832	105.506	102.600	105.563	100.064
105	114.212	112.288	110.778	113.785	108.527
110	107.515	106.575	106.205	112.531	113.229
115	96.601	95.091	98.910	93.809	92.541
120	95.333	94.806	97.770	97.086	95.918
125	104.894	108.043	107.515	105.079	105.535
130	113.044	114.810	114.568	112.987	111.704
135	122.020	125.739	125.596	124.926	121.307
140	148.407	146.968	146.982	141.226	143.321
145	159.407	166.089	159.464	159.905	154.819
150	182.446	179.610	172.928	173.925	183.158
155	190.296	189.042	192.747	193.003	187.447
160	178.656	172.743	177.630	173.256	175.949
165	144.959	152.653	151.969	147.153	142.765
170	156.742	140.571	146.512	145.686	138.733
175	145.159	136.596	141.084	141.896	130.469
180	144.959	144.959	144.959	144.959	144.959

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2740.62	N.A.	26.00
0-30	5304.92	N.A.	50.40
0-40	7377.1	N.A.	70.10
0-60	9165.79	N.A.	87.10
0-80	9673.24	N.A.	91.90
0-90	9788.78	N.A.	93.00
10-90	9061.2	N.A.	86.10
20-40	4636.48	N.A.	44.00
20-50	5802.95	N.A.	55.10
40-70	2113.27	N.A.	20.10
60-80	507.45	N.A.	4.80
70-80	182.86	N.A.	1.70
80-90	115.55	N.A.	1.10
90-110	203.27	N.A.	1.90
90-120	301.71	N.A.	2.90
90-130	396.45	N.A.	3.80
90-150	595.32	N.A.	5.70
90-180	738.06	N.A.	7.00
110-180	534.79	N.A.	5.10
0-180	10526.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	727.59
10-20	2013.03
20-30	2564.3
30-40	2072.18
40-50	1166.47
50-60	622.22
60-70	324.59
70-80	182.86
80-90	115.55
90-100	87.62
100-110	115.64
110-120	98.44
120-130	94.74
130-140	98.07
140-150	100.80
150-160	85.00
160-170	44.16
170-180	13.58

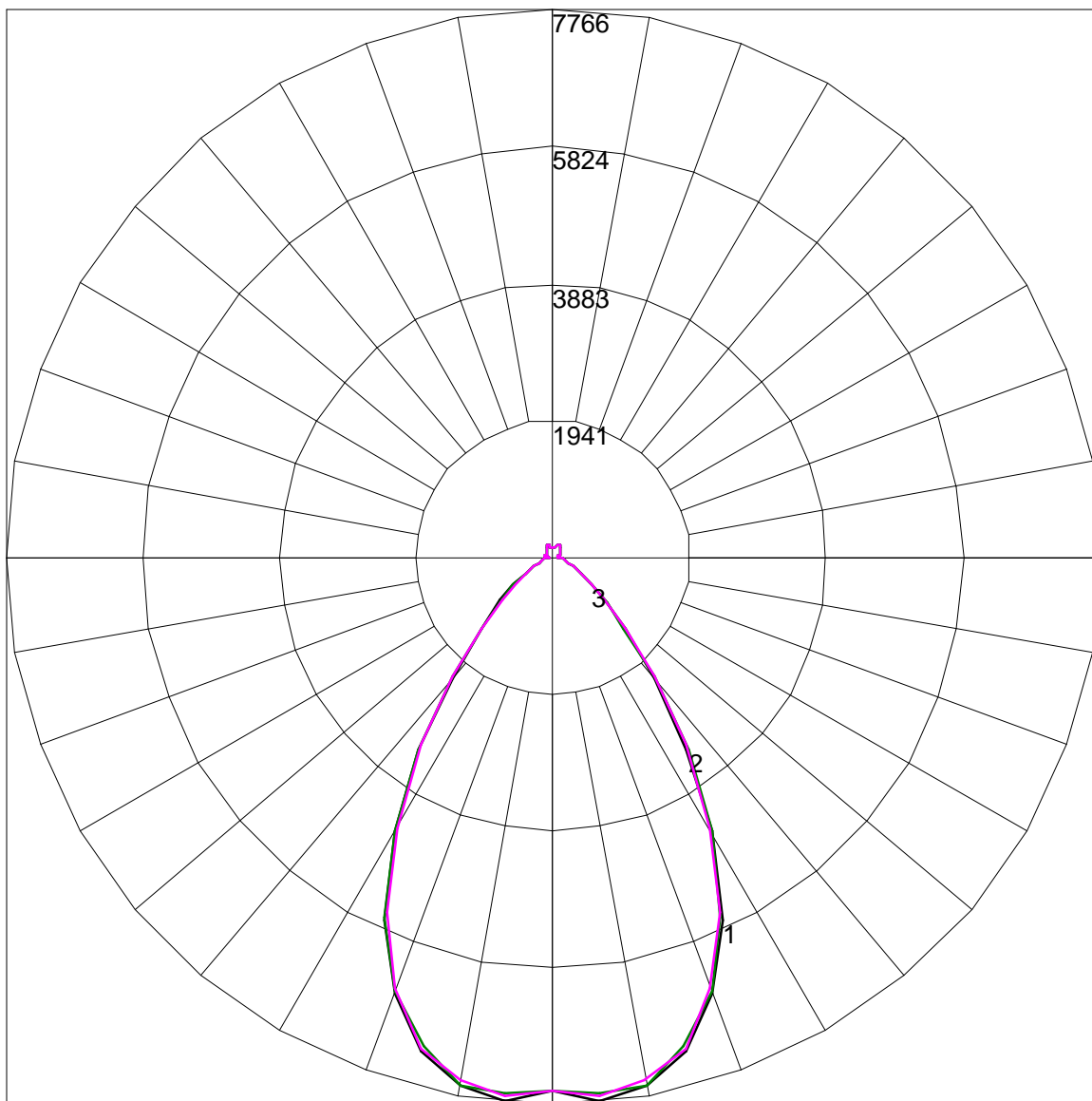
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	110	106	103	100	107	104	101	98	98	96	94	93	91	90	89	87	86	84
2	103	97	92	88	100	94	90	86	90	86	83	86	83	80	82	80	77	75
3	96	88	82	77	94	86	81	76	83	78	74	79	75	72	76	73	70	68
4	90	81	74	69	88	79	73	68	76	71	67	73	69	65	71	67	64	62
5	85	75	68	62	82	73	67	62	70	65	61	68	63	59	66	62	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	57	53	52
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	52	47	57	51	47	55	50	46	54	49	46	44
9	67	56	49	44	65	55	48	44	53	47	43	52	47	43	50	46	42	41
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	47	43	39	38

POLAR GRAPH



Maximum Candela = 7765.787 Located At Horizontal Angle = 0, 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)