

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX22LEDLX-140L35KE1-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-140L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-140L-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

[LAMP CAT] 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	12123
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	111.89
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	2427	2399	2374
55	1236	1257	1286
65	524	537	531
75	363	358	374
85	271	268	267

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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	9709.200	9709.200	9709.200	9709.200	9709.200
5	10222.755	10082.127	10090.377	10139.832	10037.403
10	10770.534	10784.311	10743.434	10806.781	10800.170
15	10514.184	10523.545	10555.759	10574.296	10570.891
20	9805.787	9756.674	9802.724	9810.945	9667.311
25	8332.216	8268.514	8246.985	8187.670	8092.380
30	5929.006	5896.008	5860.445	5844.573	5754.368
35	3875.413	3914.823	3870.241	3854.910	3828.808
40	1837.522	1803.312	1796.901	1805.592	1794.308
45	811.338	807.919	802.091	797.774	793.542
50	573.055	596.834	595.566	581.290	592.817
55	404.330	405.968	411.112	410.043	420.444
60	237.272	242.088	241.090	237.543	251.078
65	162.413	168.383	166.189	164.208	164.465
70	120.495	121.521	121.564	124.228	128.759
75	102.785	103.184	101.232	105.435	105.848
80	97.015	94.692	96.345	100.220	96.829
85	67.094	66.894	66.339	67.322	66.253
90	55.339	56.550	55.097	54.598	55.268
95	56.465	55.325	56.151	53.644	53.558
100	66.638	66.339	66.609	63.233	62.435
105	84.020	84.248	80.758	85.460	80.872
110	87.682	86.400	85.032	91.743	86.671
115	81.285	80.843	82.254	81.670	78.891
120	88.138	88.266	88.651	86.500	87.611
125	98.083	99.964	101.503	101.417	103.355
130	105.720	111.904	111.348	111.134	110.137
135	125.696	124.257	125.226	124.043	121.863
140	141.782	141.639	144.574	139.887	135.114
145	151.684	152.881	149.219	153.394	148.735
150	164.194	165.191	166.203	162.883	166.160
155	164.479	172.387	177.758	175.165	169.451
160	168.169	166.502	178.684	169.394	160.575
165	154.064	163.168	152.838	149.177	144.418
170	153.935	156.286	156.856	154.691	139.417
175	150.487	146.014	184.070	146.227	148.094
180	158.481	158.481	158.481	158.481	158.481

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3924.61	N.A.	32.40
0-30	7596.11	N.A.	62.70
0-40	9976.87	N.A.	82.30
0-60	11108.7	N.A.	91.60
0-80	11393.53	N.A.	94.00
0-90	11471.51	N.A.	94.60
10-90	10487.25	N.A.	86.50
20-40	6052.26	N.A.	49.90
20-50	6816.37	N.A.	56.20
40-70	1303.78	N.A.	10.80
60-80	284.83	N.A.	2.30
70-80	112.88	N.A.	0.90
80-90	77.98	N.A.	0.60
90-110	147.26	N.A.	1.20
90-120	231.09	N.A.	1.90
90-130	320.70	N.A.	2.60
90-150	512.70	N.A.	4.20
90-180	651.15	N.A.	5.40
110-180	503.89	N.A.	4.20
0-180	12122.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	984.26
10-20	2940.35
20-30	3671.5
30-40	2380.76
40-50	764.11
50-60	367.72
60-70	171.95
70-80	112.88
80-90	77.98
90-100	62.90
100-110	84.36
110-120	83.83
120-130	89.61
130-140	96.62
140-150	95.39
150-160	78.72
160-170	44.87
170-180	14.85

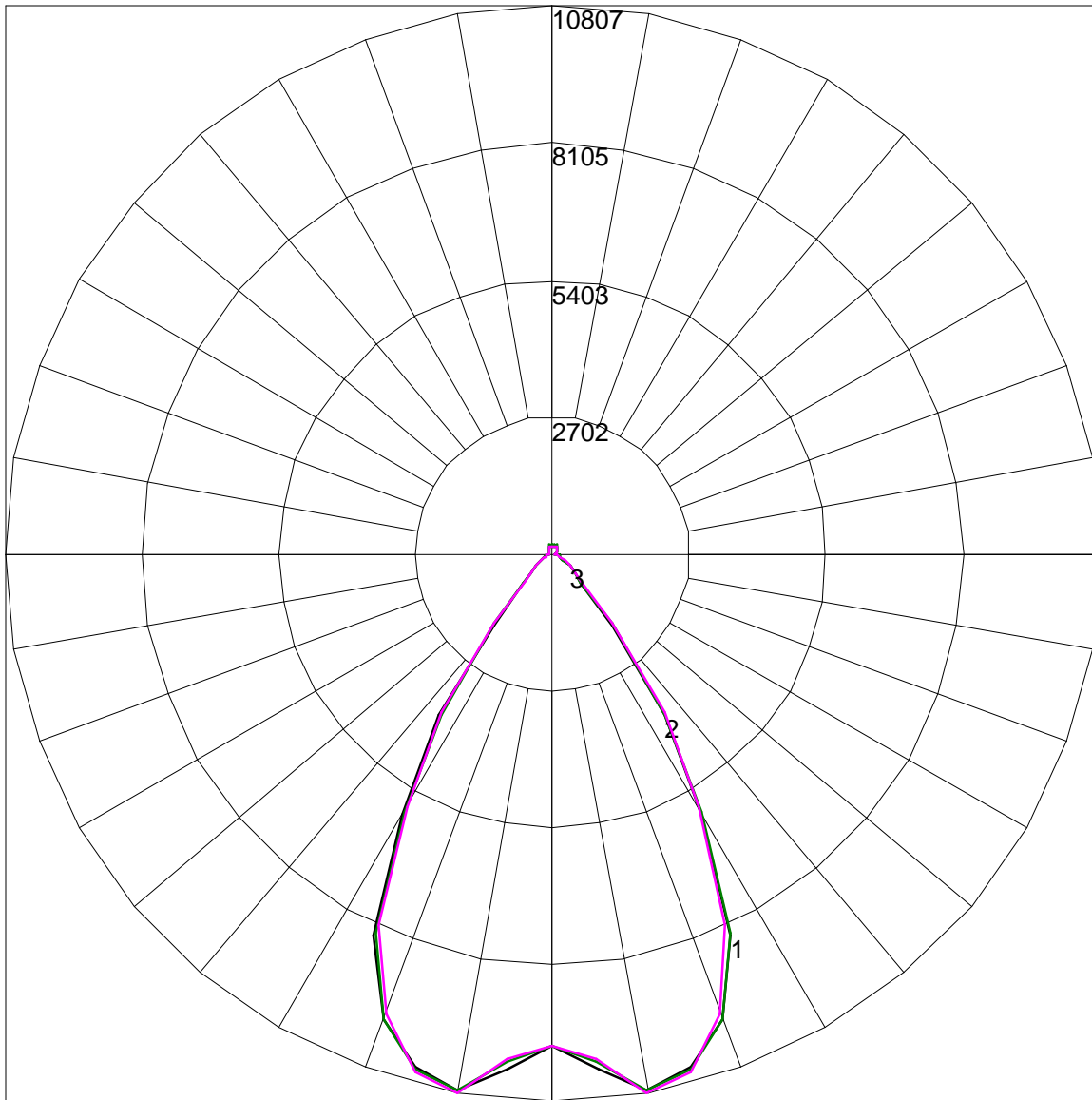
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 10806.781 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)