

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX22LEDLX-130L35KE1-PR22-FGR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Aug 12 2016

[UPDATE] Thu May 24 2017

[TEST] SP-00525_3_m

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-130L-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, scaled from 100L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11193
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	103.86
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	2241	2215	2192
55	1142	1161	1187
65	484	495	490
75	335	330	345
85	250	247	247

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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	8964.383	8964.383	8964.383	8964.383	8964.383
5	9438.542	9308.702	9316.319	9361.980	9267.408
10	9944.299	9957.020	9919.278	9977.765	9971.661
15	9707.614	9716.257	9746.000	9763.115	9759.971
20	9053.561	9008.215	9050.732	9058.323	8925.707
25	7693.031	7634.215	7614.338	7559.573	7471.593
30	5474.177	5443.710	5410.875	5396.221	5312.936
35	3578.121	3614.507	3573.345	3559.191	3535.091
40	1696.561	1664.976	1659.056	1667.081	1656.662
45	749.098	745.941	740.561	736.575	732.668
50	529.094	551.050	549.879	536.698	547.340
55	373.313	374.825	379.574	378.588	388.191
60	219.070	223.517	222.596	219.320	231.817
65	149.954	155.466	153.440	151.611	151.848
70	111.252	112.199	112.238	114.698	118.882
75	94.900	95.269	93.466	97.347	97.728
80	89.572	87.428	88.954	92.532	89.401
85	61.947	61.763	61.250	62.157	61.171
90	51.094	52.212	50.870	50.410	51.028
95	52.133	51.081	51.844	49.529	49.450
100	61.526	61.250	61.500	58.382	57.645
105	77.575	77.786	74.563	78.904	74.668
110	80.956	79.772	78.509	84.705	80.022
115	75.049	74.641	75.944	75.404	72.839
120	81.377	81.495	81.850	79.864	80.890
125	90.559	92.295	93.716	93.637	95.426
130	97.610	103.319	102.806	102.609	101.688
135	116.053	114.725	115.619	114.527	112.515
140	130.905	130.774	133.484	129.156	124.749
145	140.048	141.153	137.772	141.627	137.325
150	151.598	152.519	153.453	150.388	153.414
155	151.861	159.162	164.122	161.728	156.452
160	155.268	153.729	164.977	156.400	148.257
165	142.245	150.651	141.114	137.733	133.339
170	142.127	144.297	144.823	142.824	128.722
175	138.943	134.812	169.949	135.010	136.733
180	146.323	146.323	146.323	146.323	146.323

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3623.54	N.A.	32.40
0-30	7013.39	N.A.	62.70
0-40	9211.52	N.A.	82.30
0-60	10256.52	N.A.	91.60
0-80	10519.51	N.A.	94.00
0-90	10591.5	N.A.	94.60
10-90	9682.75	N.A.	86.50
20-40	5587.98	N.A.	49.90
20-50	6293.46	N.A.	56.20
40-70	1203.76	N.A.	10.80
60-80	262.98	N.A.	2.30
70-80	104.22	N.A.	0.90
80-90	72.00	N.A.	0.60
90-110	135.96	N.A.	1.20
90-120	213.36	N.A.	1.90
90-130	296.10	N.A.	2.60
90-150	473.37	N.A.	4.20
90-180	601.20	N.A.	5.40
110-180	465.24	N.A.	4.20
0-180	11192.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	908.76
10-20	2714.79
20-30	3389.85
30-40	2198.13
40-50	705.49
50-60	339.51
60-70	158.76
70-80	104.22
80-90	72.00
90-100	58.07
100-110	77.89
110-120	77.40
120-130	82.73
130-140	89.21
140-150	88.07
150-160	72.68
160-170	41.43
170-180	13.72

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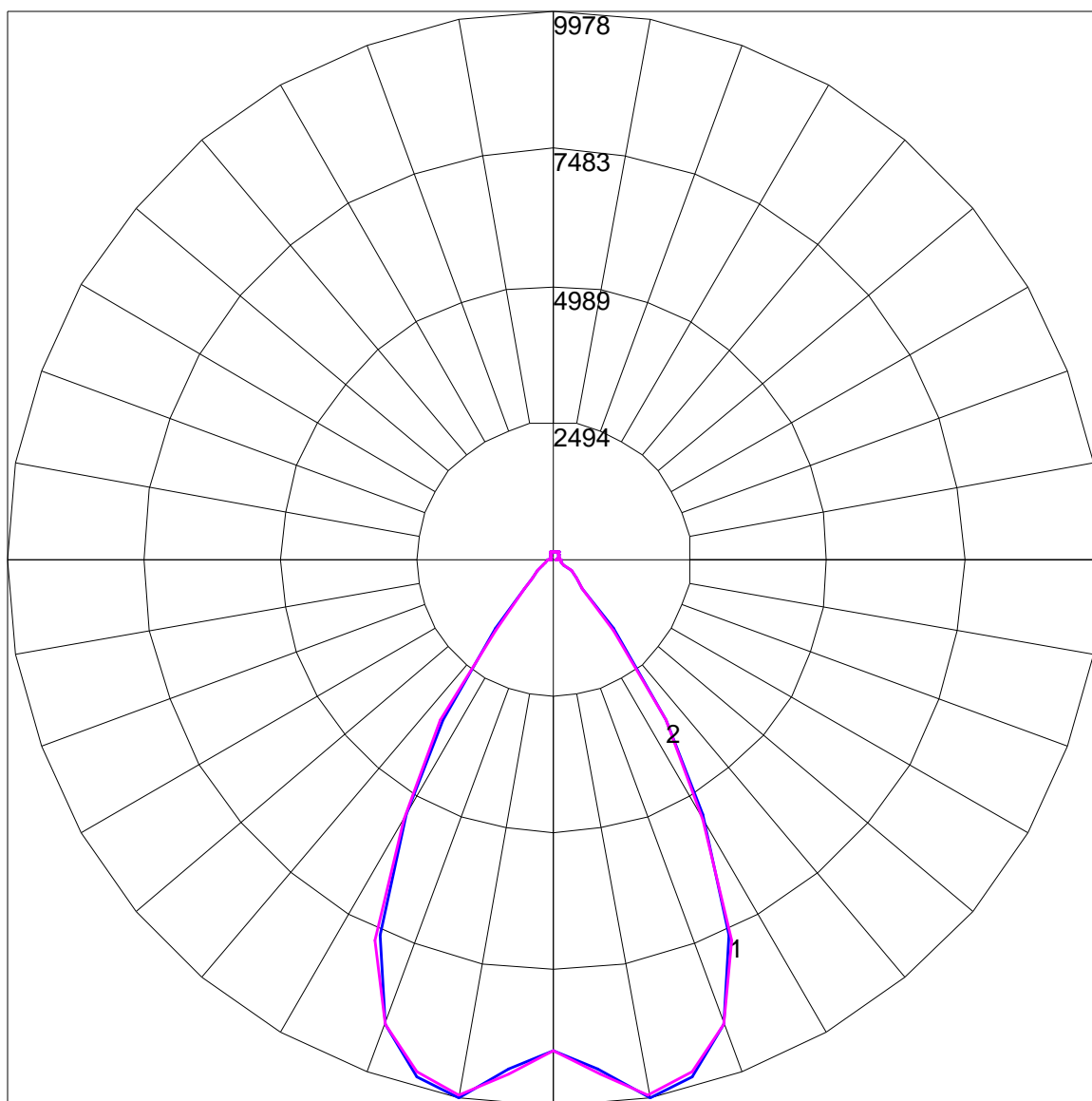
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 9977.765 Located At Horizontal Angle = 67.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)