

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX22LEDLX-130L35KE1-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

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-130L-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	10152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	103.86
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	1633	1641	1615
55	835	868	868
65	337	335	345
75	202	197	199
85	115	105	114

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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	7508.256	7508.256	7508.256	7508.256	7508.256
5	7951.948	7970.391	7921.073	7980.560	7922.586
10	8589.978	8595.267	8543.120	8590.728	8583.559
15	8378.117	8399.797	8430.606	8488.540	8303.831
20	7820.332	7825.804	7831.553	7826.094	7788.681
25	6673.295	6669.888	6613.203	6560.872	6498.452
30	4740.036	4712.463	4672.367	4661.803	4594.344
35	3060.406	3061.550	3033.175	3043.133	3043.712
40	1347.111	1352.531	1341.192	1335.219	1353.755
45	546.077	560.416	548.629	552.892	540.039
50	396.886	408.200	407.252	403.490	416.685
55	273.177	281.912	283.793	280.070	283.753
60	153.072	156.518	154.058	155.032	157.610
65	104.267	105.503	103.793	104.595	107.016
70	73.050	72.458	71.511	72.589	77.023
75	57.066	56.816	55.711	59.579	56.211
80	44.082	42.254	43.964	43.438	43.293
85	28.494	25.468	26.060	25.231	28.375
90	54.304	52.067	52.528	51.055	52.738
95	54.712	52.331	53.988	52.909	51.660
100	69.629	69.498	69.814	65.617	65.749
105	116.948	118.027	112.015	115.580	113.488
110	155.163	151.177	152.480	157.426	157.492
115	179.382	176.422	174.896	176.698	178.053
120	200.680	203.271	202.600	202.482	204.113
125	232.462	228.095	227.332	231.909	234.633
130	255.470	255.746	255.944	253.392	262.587
135	279.583	276.439	280.662	277.505	274.992
140	290.699	295.567	297.408	296.553	294.751
145	303.407	306.025	300.644	302.670	306.301
150	319.588	311.629	305.827	314.141	307.498
155	301.526	310.208	306.051	308.353	310.208
160	287.674	293.422	294.080	292.962	283.451
165	284.214	272.519	276.387	268.152	270.651
170	246.775	269.533	282.122	253.260	254.063
175	276.676	254.102	279.070	277.794	281.346
180	278.820	278.820	278.820	278.820	278.820

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3122.43	N.A.	30.80
0-30	6064.05	N.A.	59.70
0-40	7934.58	N.A.	78.20
0-60	8729.5	N.A.	86.00
0-80	8898.65	N.A.	87.70
0-90	8939.09	N.A.	88.10
10-90	8162.89	N.A.	80.40
20-40	4812.15	N.A.	47.40
20-50	5356.74	N.A.	52.80
40-70	903.17	N.A.	8.90
60-80	169.15	N.A.	1.70
70-80	60.90	N.A.	0.60
80-90	40.44	N.A.	0.40
90-110	181.33	N.A.	1.80
90-120	357.38	N.A.	3.50
90-130	563.17	N.A.	5.50
90-150	967.76	N.A.	9.50
90-180	1213.15	N.A.	11.90
110-180	1031.82	N.A.	10.20
0-180	10152.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	776.20
10-20	2346.22
20-30	2941.62
30-40	1870.52
40-50	544.59
50-60	250.33
60-70	108.25
70-80	60.90
80-90	40.44
90-100	61.81
100-110	119.52
110-120	176.05
120-130	205.79
130-140	214.10
140-150	190.50
150-160	141.16
160-170	78.46
170-180	25.78

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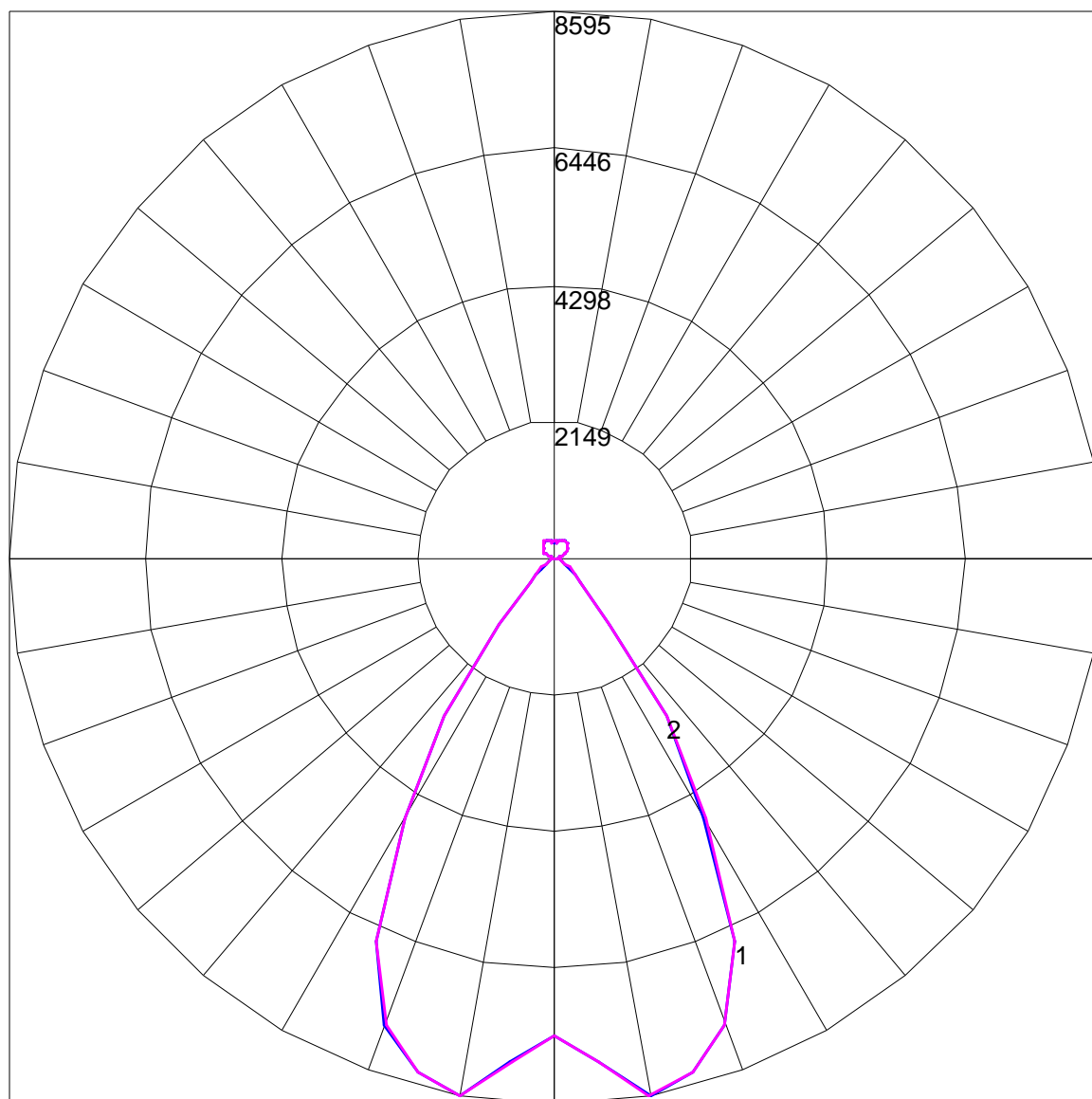
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 8595.267 Located At Horizontal Angle = 22.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)