

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX22LEDLX-100L35KE1-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-100L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	81.06
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	1242	1248	1228
55	635	660	660
65	256	255	263
75	153	150	151
85	87	80	87

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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	5707.53	5707.53	5707.53	5707.53	5707.53
5	6044.81	6058.83	6021.34	6066.56	6022.49
10	6529.82	6533.84	6494.20	6530.39	6524.94
15	6368.77	6385.25	6408.67	6452.71	6312.30
20	5944.76	5948.92	5953.29	5949.14	5920.70
25	5072.82	5070.23	5027.14	4987.36	4939.91
30	3603.22	3582.26	3551.78	3543.75	3492.47
35	2326.42	2327.29	2305.72	2313.29	2313.73
40	1024.03	1028.15	1019.53	1014.99	1029.08
45	415.11	426.01	417.05	420.29	410.52
50	301.70	310.30	309.58	306.72	316.75
55	207.66	214.30	215.73	212.90	215.70
60	116.36	118.98	117.11	117.85	119.81
65	79.26	80.20	78.90	79.51	81.35
70	55.53	55.08	54.36	55.18	58.55
75	43.38	43.19	42.35	45.29	42.73
80	33.51	32.12	33.42	33.02	32.91
85	21.66	19.36	19.81	19.18	21.57
90	41.28	39.58	39.93	38.81	40.09
95	41.59	39.78	41.04	40.22	39.27
100	52.93	52.83	53.07	49.88	49.98
105	88.90	89.72	85.15	87.86	86.27
110	117.95	114.92	115.91	119.67	119.72
115	136.36	134.11	132.95	134.32	135.35
120	152.55	154.52	154.01	153.92	155.16
125	176.71	173.39	172.81	176.29	178.36
130	194.20	194.41	194.56	192.62	199.61
135	212.53	210.14	213.35	210.95	209.04
140	220.98	224.68	226.08	225.43	224.06
145	230.64	232.63	228.54	230.08	232.84
150	242.94	236.89	232.48	238.80	233.75
155	229.21	235.81	232.65	234.40	235.81
160	218.68	223.05	223.55	222.70	215.47
165	216.05	207.16	210.10	203.84	205.74
170	187.59	204.89	214.46	192.52	193.13
175	210.32	193.16	212.14	211.17	213.87
180	211.95	211.95	211.95	211.95	211.95

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2373.57	N.A.	30.80
0-30	4609.69	N.A.	59.70
0-40	6031.6	N.A.	78.20
0-60	6635.88	N.A.	86.00
0-80	6764.46	N.A.	87.70
0-90	6795.2	N.A.	88.10
10-90	6205.16	N.A.	80.40
20-40	3658.04	N.A.	47.40
20-50	4072.02	N.A.	52.80
40-70	686.56	N.A.	8.90
60-80	128.58	N.A.	1.70
70-80	46.29	N.A.	0.60
80-90	30.74	N.A.	0.40
90-110	137.84	N.A.	1.80
90-120	271.67	N.A.	3.50
90-130	428.10	N.A.	5.50
90-150	735.66	N.A.	9.50
90-180	922.20	N.A.	11.90
110-180	784.36	N.A.	10.20
0-180	7717.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	590.04
10-20	1783.52
20-30	2236.13
30-40	1421.91
40-50	413.98
50-60	190.29
60-70	82.29
70-80	46.29
80-90	30.74
90-100	46.98
100-110	90.86
110-120	133.82
120-130	156.44
130-140	162.75
140-150	144.81
150-160	107.31
160-170	59.64
170-180	19.59

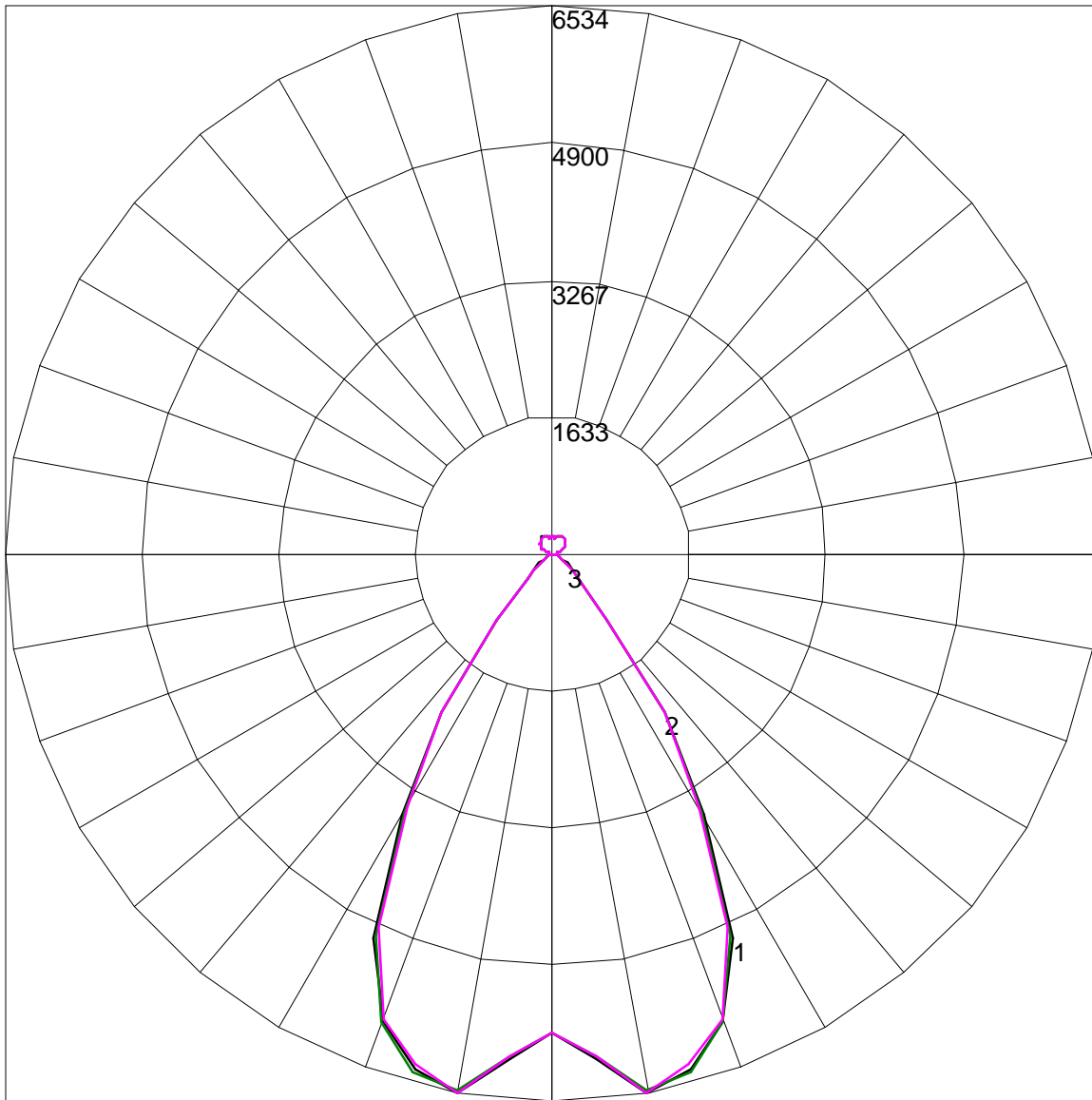
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	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 = 6533.84 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)