

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDLX-100L35KE1-PR16-CFG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Sep 08 2016

[UPDATE] Wed May 24 2017

[TEST] SP-00392_37

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-100L-35K-E1-PR16-CFG

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

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Diam. Sodalime Glass disc, with 16" 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	81.06
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.92
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	1.03 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6447	6371	6530
55	3039	3156	3083
65	1651	1658	1670
75	859	856	819
85	468	446	455

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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	6563.70	6563.70	6563.70	6563.70	6563.70
5	6471.10	6553.95	6586.17	6620.88	6647.06
10	6224.20	6261.44	6250.48	6264.28	6261.56
15	5755.11	5669.55	5661.68	5706.96	5645.63
20	4997.81	4946.58	4961.95	4922.78	4951.33
25	4137.78	4127.14	4116.60	4125.76	4143.94
30	3282.18	3264.14	3278.36	3275.40	3275.52
35	2412.83	2434.82	2435.18	2415.42	2420.66
40	1696.65	1701.94	1698.00	1705.31	1729.66
45	1171.43	1166.01	1157.62	1175.26	1186.52
50	800.29	792.51	805.57	808.00	782.70
55	543.26	550.65	564.13	558.82	551.16
60	389.83	407.30	390.65	397.43	398.34
65	281.31	278.79	282.45	279.54	284.58
70	191.78	189.02	192.70	192.15	200.15
75	134.65	129.45	134.25	130.55	128.49
80	93.17	87.06	90.96	94.11	88.56
85	64.84	62.86	61.77	63.88	62.97
90	37.98	40.95	40.83	39.68	38.49
95	45.75	45.66	45.11	47.99	44.70
100	45.48	46.77	46.29	47.63	47.34
105	50.65	51.66	55.80	54.78	50.82
110	47.97	51.70	53.84	51.20	53.68
115	44.36	46.56	45.41	45.17	45.59
120	41.12	38.92	38.71	38.70	38.07
125	37.35	35.71	36.64	34.38	34.69
130	34.85	34.39	33.82	32.74	32.32
135	35.49	34.12	34.34	32.55	33.81
140	36.72	37.85	36.84	36.30	36.72
145	44.94	41.88	42.72	40.09	43.71
150	51.16	50.66	48.92	48.77	49.42
155	51.30	52.27	51.94	49.53	54.38
160	48.05	54.06	51.04	54.38	50.26
165	49.26	54.08	52.41	50.52	51.14
170	48.43	51.25	45.48	51.10	49.35
175	37.37	37.38	38.93	42.99	52.33
180	40.46	40.46	40.46	40.46	40.46

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2201.07	N.A.	28.10
0-30	4090.00	N.A.	52.20
0-40	5618.41	N.A.	71.70
0-60	7063.12	N.A.	90.10
0-80	7492.00	N.A.	95.60
0-90	7562.02	N.A.	96.50
10-90	6945.75	N.A.	88.60
20-40	3417.34	N.A.	43.60
20-50	4347.33	N.A.	55.50
40-70	1729.47	N.A.	22.10
60-80	428.88	N.A.	5.50
70-80	144.12	N.A.	1.80
80-90	70.02	N.A.	0.90
90-110	102.98	N.A.	1.30
90-120	148.19	N.A.	1.90
90-130	180.52	N.A.	2.30
90-150	234.03	N.A.	3.00
90-180	276.50	N.A.	3.50
110-180	173.52	N.A.	2.20
0-180	7838.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	616.27
10-20	1584.8
20-30	1888.93
30-40	1528.41
40-50	929.99
50-60	514.72
60-70	284.76
70-80	144.12
80-90	70.02
90-100	48.73
100-110	54.24
110-120	45.21
120-130	32.33
130-140	26.77
140-150	26.75
150-160	23.71
160-170	14.56
170-180	4.20

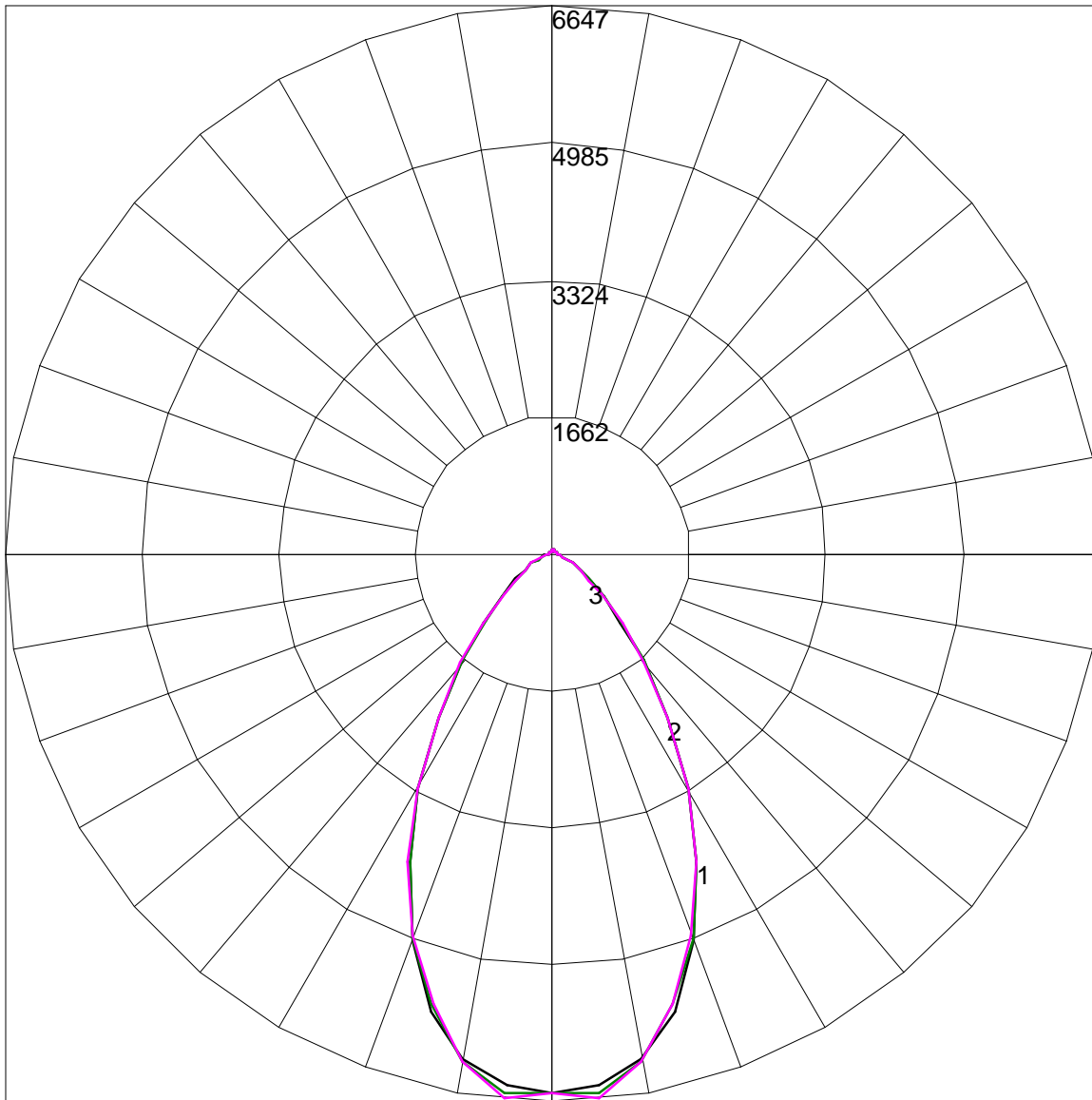
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	111	107	104	102	108	105	102	100	100	98	96	96	94	92	92	90	89	87
2	104	98	93	89	101	96	91	87	92	88	85	88	85	82	85	82	80	78
3	97	89	83	78	95	88	82	77	84	80	76	81	77	74	79	75	72	71
4	91	82	75	70	89	81	74	70	78	72	68	75	71	67	73	69	66	64
5	86	76	69	63	83	74	68	63	72	66	62	70	65	61	68	64	60	58
6	80	70	63	58	79	69	62	57	67	61	57	65	60	56	63	59	55	54
7	76	65	58	53	74	64	57	53	62	56	52	61	56	52	59	55	51	49
8	72	61	54	49	70	60	53	49	58	52	48	57	52	48	56	51	47	46
9	68	57	50	45	66	56	49	45	55	49	45	53	48	44	52	48	44	42
10	64	53	47	42	63	53	46	42	51	46	42	50	45	41	49	45	41	40

POLAR GRAPH



Maximum Candela = 6647.06 Located At Horizontal Angle = 90, 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)