

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDLX-100L35KE1-PR16-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Sep 08 2016

[UPDATE] Wed May 24 2017

[TEST] SP-00392_39

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-100L-35K-E1-PR16-1MR

[LUMINAIRE] LED Prismatic Tech Pendant with Formed Metal Ring

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Outside Diam. ring, Matte White Finish, 16" 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	9278
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	81.06
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.86
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	3556	3743	3617
55	1673	1698	1600
65	966	957	947
75	382	386	388
85	109	106	106

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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	10317.94	10317.94	10317.94	10317.94	10317.94
5	10176.26	10311.82	10226.12	10252.61	10183.74
10	9930.11	9968.90	9899.61	9977.97	10080.58
15	9123.05	9025.87	8981.90	8996.49	9044.14
20	7603.24	7559.72	7478.48	7496.11	7590.05
25	6115.28	6099.08	6089.76	6085.84	6152.04
30	4503.74	4484.67	4552.79	4571.97	4543.18
35	2461.17	2460.89	2591.96	2593.53	2620.38
40	1121.96	1113.51	1188.17	1169.54	1153.99
45	646.01	650.38	680.04	665.98	657.15
50	408.10	416.82	422.71	418.10	393.21
55	299.01	303.89	303.52	299.48	285.95
60	222.61	228.29	225.66	223.12	218.47
65	164.59	164.47	163.12	165.04	161.29
70	109.55	107.06	109.63	107.81	106.66
75	59.98	58.58	60.59	61.08	60.82
80	33.32	32.44	32.66	31.96	31.27
85	15.10	15.24	14.62	15.64	14.67
90	3.11	2.49	3.22	2.25	2.93
95	26.02	26.84	26.41	27.96	27.98
100	29.27	31.14	30.99	32.56	31.42
105	37.09	42.51	44.83	43.56	42.29
110	45.04	47.19	50.02	49.56	48.69
115	47.00	46.99	47.56	45.25	49.78
120	46.62	47.66	46.08	47.50	48.20
125	46.94	45.39	49.05	48.16	47.98
130	49.75	48.92	47.84	47.88	47.78
135	52.77	52.01	51.34	52.63	53.24
140	58.63	56.72	55.86	54.48	58.61
145	62.76	58.98	64.74	64.06	60.36
150	70.07	69.70	70.92	67.27	67.81
155	73.18	71.78	73.89	71.44	74.38
160	81.77	78.20	82.49	76.94	78.00
165	83.74	87.78	86.90	81.84	84.67
170	94.28	88.48	88.29	90.68	92.63
175	111.04	88.92	94.89	90.69	92.44
180	84.97	84.97	84.97	84.97	84.97

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3459.13	N.A.	37.30
0-30	6235.07	N.A.	67.20
0-40	7894.82	N.A.	85.10
0-60	8724.8	N.A.	94.00
0-80	8956.83	N.A.	96.50
0-90	8974.6	N.A.	96.70
10-90	8005.99	N.A.	86.30
20-40	4435.69	N.A.	47.80
20-50	4989.16	N.A.	53.80
40-70	993.26	N.A.	10.70
60-80	232.02	N.A.	2.50
70-80	68.75	N.A.	0.70
80-90	17.77	N.A.	0.20
90-110	67.58	N.A.	0.70
90-120	114.65	N.A.	1.20
90-130	157.38	N.A.	1.70
90-150	237.01	N.A.	2.60
90-180	303.63	N.A.	3.30
110-180	236.05	N.A.	2.50
0-180	9278.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	968.61
10-20	2490.51
20-30	2775.95
30-40	1659.75
40-50	553.47
50-60	276.52
60-70	163.28
70-80	68.75
80-90	17.77
90-100	24.00
100-110	43.58
110-120	47.07
120-130	42.73
130-140	40.45
140-150	39.18
150-160	33.91
160-170	23.97
170-180	8.73

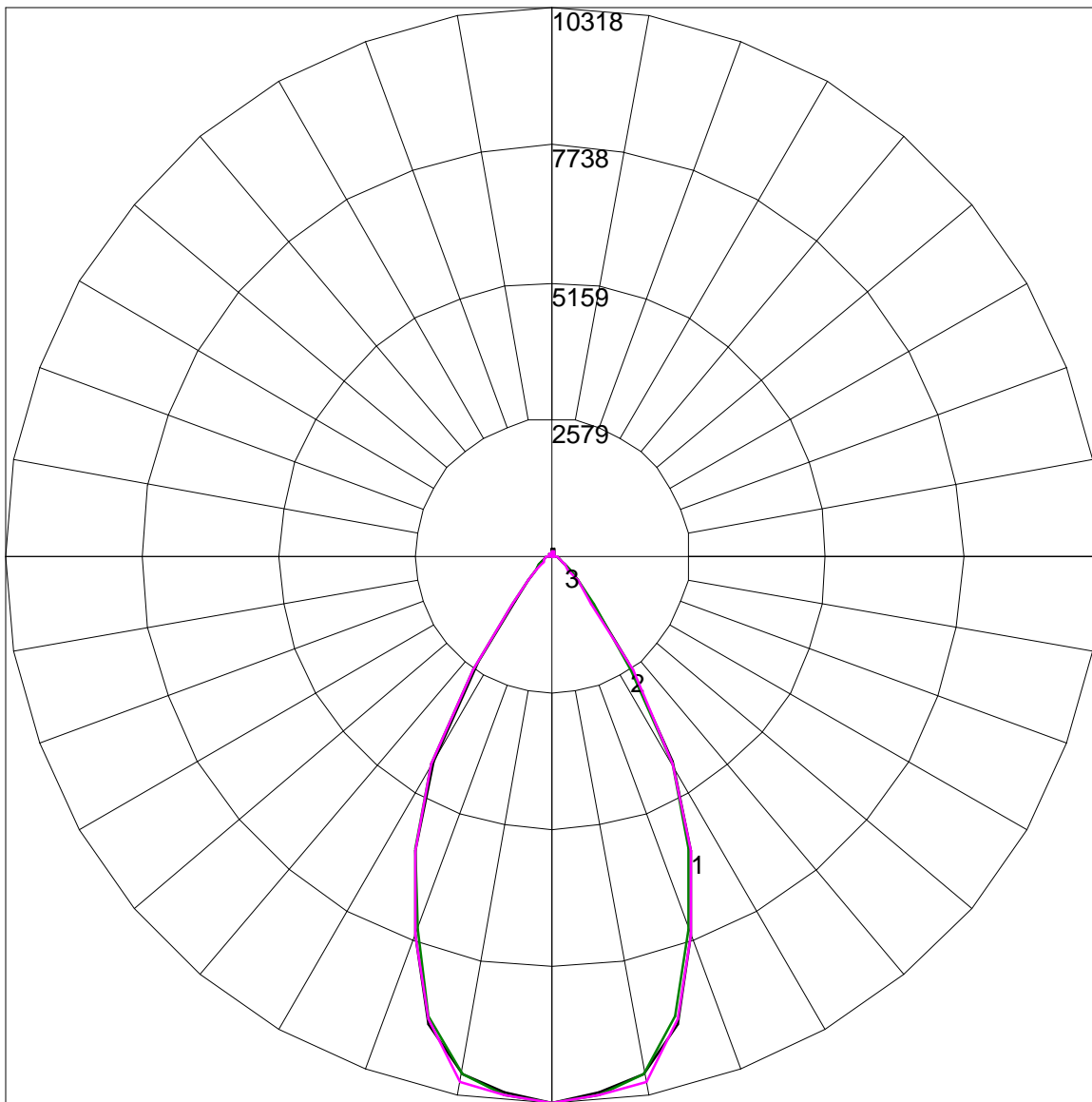
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
1	112	109	107	104	109	107	104	102	102	100	99	98	96	95	94	93	92	90
2	106	101	97	93	104	99	95	92	95	92	89	92	89	87	89	86	85	83
3	101	94	88	84	98	92	87	83	89	85	82	86	83	80	83	81	78	77
4	95	87	81	77	93	86	81	76	83	79	75	81	77	74	79	75	73	71
5	90	81	75	71	88	80	75	70	78	73	69	76	72	69	74	71	68	66
6	86	76	70	66	84	75	69	65	73	68	65	72	67	64	70	66	63	62
7	81	72	65	61	80	71	65	61	69	64	60	68	63	60	66	62	59	58
8	77	67	61	57	76	67	61	57	65	60	56	64	59	56	63	59	56	54
9	74	64	58	53	72	63	57	53	62	57	53	61	56	53	60	55	52	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	52	49	48

POLAR GRAPH



Maximum Candela = 10317.94 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)