

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDLX-65L35KE1-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] Thu Jul 27 2017

[TEST] SP-00392_39_M-65L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-65L-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, scaled from 100L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6186
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	54.1
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	2370	2495	2411
55	1115	1132	1067
65	644	638	631
75	255	258	259
85	73	70	71

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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	6878.971	6878.971	6878.971	6878.971	6878.971
5	6784.513	6874.890	6817.754	6835.415	6789.500
10	6620.404	6646.266	6600.070	6652.313	6720.723
15	6082.337	6017.548	5988.233	5997.960	6029.728
20	5069.080	5040.065	4985.903	4997.657	5060.286
25	4077.057	4066.257	4060.043	4057.430	4101.565
30	3002.643	2989.930	3035.345	3048.132	3028.938
35	1640.862	1640.675	1728.060	1729.106	1747.007
40	748.011	742.377	792.153	779.732	769.365
45	430.695	433.608	453.383	444.009	438.122
50	272.080	277.894	281.821	278.747	262.153
55	199.350	202.603	202.357	199.663	190.643
60	148.414	152.201	150.448	148.754	145.654
65	109.732	109.652	108.752	110.032	107.532
70	73.037	71.377	73.090	71.877	71.110
75	39.989	39.055	40.395	40.722	40.549
80	22.214	21.628	21.774	21.308	20.848
85	10.067	10.161	9.747	10.427	9.780
90	2.073	1.660	2.147	1.500	1.953
95	17.348	17.894	17.608	18.641	18.654
100	19.514	20.761	20.661	21.708	20.948
105	24.728	28.341	29.888	29.041	28.195
110	30.028	31.462	33.348	33.042	32.462
115	31.335	31.328	31.708	30.168	33.188
120	31.082	31.775	30.722	31.668	32.135
125	31.295	30.262	32.702	32.108	31.988
130	33.168	32.615	31.895	31.922	31.855
135	35.182	34.675	34.228	35.088	35.495
140	39.089	37.815	37.242	36.322	39.075
145	41.842	39.322	43.162	42.709	40.242
150	46.716	46.469	47.282	44.849	45.209
155	48.789	47.856	49.262	47.629	49.589
160	54.516	52.136	54.996	51.296	52.003
165	55.829	58.523	57.936	54.563	56.449
170	62.856	58.990	58.863	60.456	61.756
175	74.030	59.283	63.263	60.463	61.630
180	56.649	56.649	56.649	56.649	56.649

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2306.2	N.A.	37.30
0-30	4156.92	N.A.	67.20
0-40	5263.48	N.A.	85.10
0-60	5816.83	N.A.	94.00
0-80	5971.52	N.A.	96.50
0-90	5983.37	N.A.	96.70
10-90	5337.59	N.A.	86.30
20-40	2957.28	N.A.	47.80
20-50	3326.27	N.A.	53.80
40-70	662.21	N.A.	10.70
60-80	154.69	N.A.	2.50
70-80	45.83	N.A.	0.70
80-90	11.85	N.A.	0.20
90-110	45.06	N.A.	0.70
90-120	76.44	N.A.	1.20
90-130	104.93	N.A.	1.70
90-150	158.02	N.A.	2.60
90-180	202.43	N.A.	3.30
110-180	157.37	N.A.	2.50
0-180	6185.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	645.77
10-20	1660.42
20-30	1850.72
30-40	1106.55
40-50	369.00
50-60	184.35
60-70	108.86
70-80	45.83
80-90	11.85
90-100	16.00
100-110	29.05
110-120	31.38
120-130	28.49
130-140	26.97
140-150	26.12
150-160	22.61
160-170	15.98
170-180	5.82

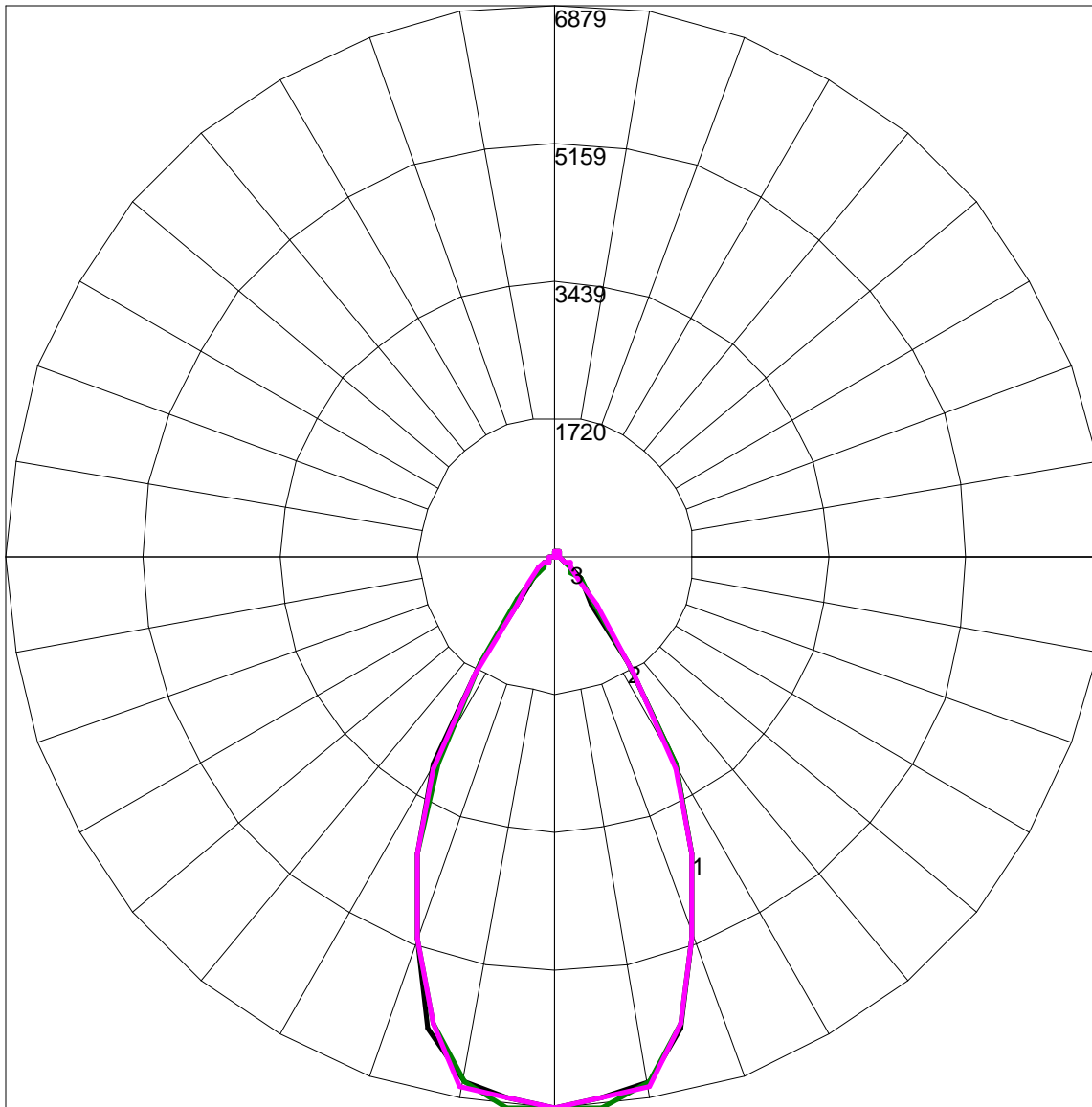
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6878.971 Located At Horizontal Angle = 0, Vertical Angle = 0

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

2 - Vertical Plane Through Horizontal Angles (22 - 202)

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