

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDLX-130L35KE1-PR16-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Sep 08 2016

[UPDATE] Thu Jul 27 2017

[TEST] SP-00392_39_M-130L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-130L-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	12206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	103.89
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	4677	4924	4758
55	2201	2234	2104
65	1271	1259	1245
75	503	508	510
85	143	139	139

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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	13573.250	13573.250	13573.250	13573.250	13573.250
5	13386.870	13565.199	13452.461	13487.309	13396.710
10	13063.060	13114.088	13022.937	13126.020	13261.003
15	12001.372	11873.532	11815.690	11834.883	11897.566
20	10002.062	9944.812	9837.941	9861.133	9984.711
25	8044.651	8023.340	8011.079	8005.923	8093.009
30	5924.670	5899.583	5989.195	6014.427	5976.553
35	3237.669	3237.301	3409.723	3411.789	3447.110
40	1475.938	1464.822	1563.038	1538.530	1518.074
45	849.826	855.575	894.593	876.097	864.481
50	536.856	548.327	556.075	550.011	517.268
55	393.348	399.767	399.281	393.966	376.167
60	292.843	300.315	296.856	293.514	287.397
65	216.518	216.360	214.584	217.110	212.177
70	144.113	140.837	144.218	141.824	140.311
75	78.904	77.062	79.706	80.351	80.009
80	43.832	42.675	42.964	42.043	41.136
85	19.864	20.048	19.233	20.574	19.298
90	4.091	3.276	4.236	2.960	3.854
95	34.229	35.308	34.742	36.781	36.808
100	38.505	40.965	40.767	42.833	41.333
105	48.792	55.922	58.974	57.303	55.632
110	59.250	62.078	65.801	65.196	64.052
115	61.829	61.815	62.565	59.526	65.486
120	61.329	62.697	60.618	62.486	63.407
125	61.750	59.711	64.525	63.354	63.118
130	65.446	64.354	62.934	62.986	62.855
135	69.419	68.419	67.538	69.235	70.037
140	77.128	74.615	73.484	71.668	77.101
145	82.561	77.588	85.165	84.271	79.404
150	92.177	91.690	93.295	88.494	89.204
155	96.268	94.427	97.202	93.979	97.847
160	107.568	102.872	108.516	101.215	102.609
165	110.160	115.475	114.317	107.661	111.383
170	124.025	116.395	116.145	119.290	121.855
175	146.073	116.974	124.828	119.303	121.605
180	111.778	111.778	111.778	111.778	111.778

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4550.48	N.A.	37.30
0-30	8202.24	N.A.	67.20
0-40	10385.64	N.A.	85.10
0-60	11477.48	N.A.	94.00
0-80	11782.71	N.A.	96.50
0-90	11806.09	N.A.	96.70
10-90	10531.88	N.A.	86.30
20-40	5835.16	N.A.	47.80
20-50	6563.24	N.A.	53.80
40-70	1306.63	N.A.	10.70
60-80	305.23	N.A.	2.50
70-80	90.43	N.A.	0.70
80-90	23.38	N.A.	0.20
90-110	88.90	N.A.	0.70
90-120	150.82	N.A.	1.20
90-130	207.03	N.A.	1.70
90-150	311.79	N.A.	2.60
90-180	399.42	N.A.	3.30
110-180	310.52	N.A.	2.50
0-180	12205.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1274.21
10-20	3276.27
20-30	3651.76
30-40	2183.4
40-50	728.09
50-60	363.76
60-70	214.79
70-80	90.43
80-90	23.38
90-100	31.58
100-110	57.32
110-120	61.92
120-130	56.21
130-140	53.21
140-150	51.55
150-160	44.61
160-170	31.53
170-180	11.49

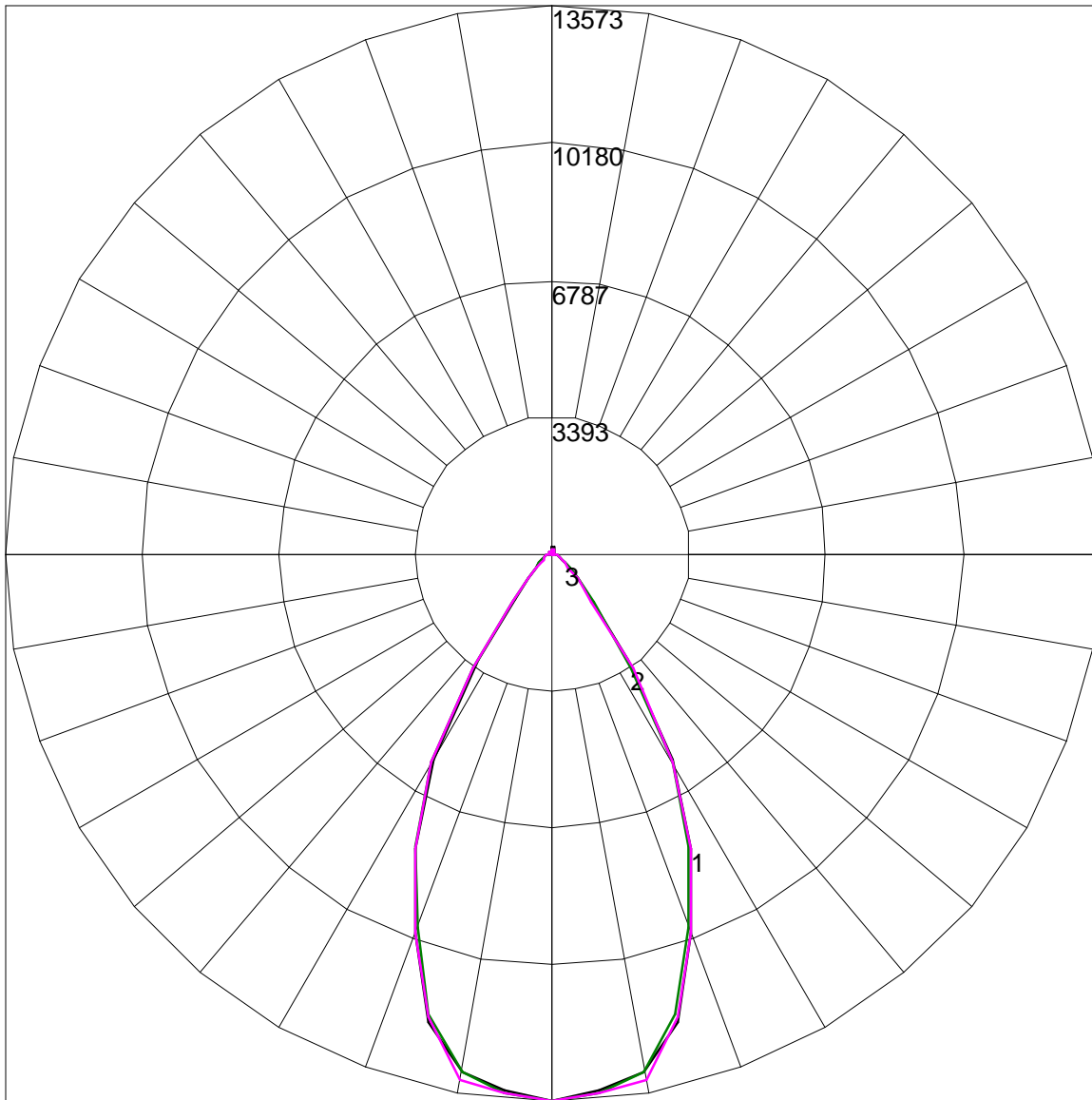
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	73	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 = 13573.25 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)