

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PRX16LEDLX-130L35KE1-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] Thu Jul 27 2017

[TEST] SP-00392\_37\_M-130L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-130L-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, scaled from 100L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10312
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	103.89
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	8482	8382	8591
55	3998	4152	4056
65	2172	2181	2197
75	1129	1126	1078
85	616	587	598

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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>
<b>0</b>	8634.547	8634.547	8634.547	8634.547	8634.547
<b>5</b>	8512.732	8621.721	8664.107	8709.768	8744.208
<b>10</b>	8187.935	8236.924	8222.507	8240.660	8237.082
<b>15</b>	7570.847	7458.293	7447.940	7507.506	7426.826
<b>20</b>	6574.619	6507.226	6527.445	6475.917	6513.475
<b>25</b>	5443.250	5429.253	5415.387	5427.437	5451.353
<b>30</b>	4317.708	4293.976	4312.683	4308.789	4308.947
<b>35</b>	3174.078	3203.006	3203.479	3177.485	3184.378
<b>40</b>	2231.943	2238.902	2233.719	2243.335	2275.368
<b>45</b>	1541.016	1533.886	1522.849	1546.055	1560.867
<b>50</b>	1052.782	1042.547	1059.727	1062.924	1029.642
<b>55</b>	714.659	724.380	742.113	735.128	725.051
<b>60</b>	512.821	535.803	513.900	522.819	524.016
<b>65</b>	370.063	366.748	371.563	367.735	374.365
<b>70</b>	252.287	248.656	253.497	252.773	263.297
<b>75</b>	177.132	170.291	176.606	171.739	169.029
<b>80</b>	122.565	114.527	119.658	123.802	116.501
<b>85</b>	85.297	82.692	81.258	84.034	82.837
<b>90</b>	49.963	53.870	53.712	52.199	50.634
<b>95</b>	60.184	60.066	59.342	63.131	58.803
<b>100</b>	59.829	61.526	60.894	62.657	62.276
<b>105</b>	66.630	67.959	73.405	72.063	66.854
<b>110</b>	63.105	68.011	70.827	67.354	70.616
<b>115</b>	58.356	61.250	59.737	59.421	59.974
<b>120</b>	54.093	51.199	50.923	50.910	50.081
<b>125</b>	49.134	46.977	48.200	45.227	45.635
<b>130</b>	45.845	45.240	44.490	43.069	42.517
<b>135</b>	46.687	44.885	45.174	42.820	44.477
<b>140</b>	48.305	49.792	48.463	47.753	48.305
<b>145</b>	59.119	55.093	56.198	52.738	57.501
<b>150</b>	67.301	66.643	64.354	64.157	65.012
<b>155</b>	67.485	68.761	68.327	65.157	71.537
<b>160</b>	63.210	71.116	67.143	71.537	66.117
<b>165</b>	64.802	71.142	68.945	66.459	67.275
<b>170</b>	63.710	67.419	59.829	67.222	64.920
<b>175</b>	49.160	49.173	51.212	56.553	68.840
<b>180</b>	53.225	53.225	53.225	53.225	53.225

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2895.51	N.A.	28.10
0-30	5380.39	N.A.	52.20
0-40	7391.02	N.A.	71.70
0-60	9291.53	N.A.	90.10
0-80	9855.73	N.A.	95.60
0-90	9947.83	N.A.	96.50
10-90	9137.13	N.A.	88.60
20-40	4495.5	N.A.	43.60
20-50	5718.91	N.A.	55.50
40-70	2275.12	N.A.	22.10
60-80	564.19	N.A.	5.50
70-80	189.59	N.A.	1.80
80-90	92.10	N.A.	0.90
90-110	135.47	N.A.	1.30
90-120	194.94	N.A.	1.90
90-130	237.48	N.A.	2.30
90-150	307.87	N.A.	3.00
90-180	363.74	N.A.	3.50
110-180	228.27	N.A.	2.20
0-180	10311.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	810.70
10-20	2084.81
20-30	2484.88
30-40	2010.62
40-50	1223.41
50-60	677.11
60-70	374.60
70-80	189.59
80-90	92.10
90-100	64.11
100-110	71.36
110-120	59.48
120-130	42.53
130-140	35.21
140-150	35.18
150-160	31.19
160-170	19.15
170-180	5.53

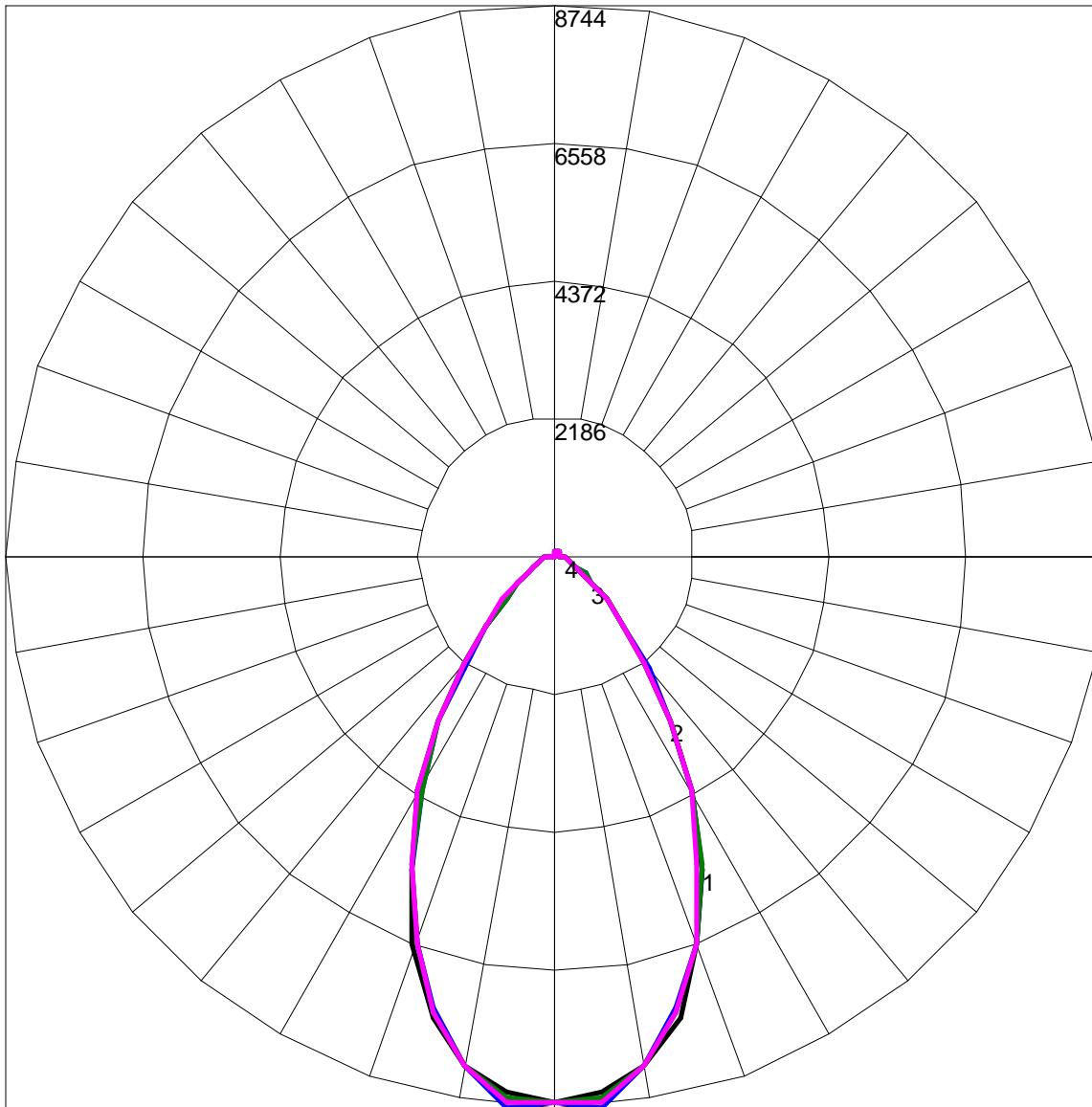
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 8744.208 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Vertical Plane Through Horizontal Angles (22 - 202)  
# 4 - Vertical Plane Through Horizontal Angles (45 - 225)