

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRX16LEDLX-140L35KE1-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

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDLX-140L-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] This report prepared by Spectrum Lighting, scaled from 100L

[_CCTMULT] 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959

[_LAMPMULT] 65L x 0.67, 100L x 1.0, 130L x 1.32, 140L x 1.50

[_CRI] 85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13917
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	108.7
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	5333	5614	5425
55	2509	2547	2400
65	1449	1436	1420
75	574	579	582
85	164	158	159

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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	15476.910	15476.910	15476.910	15476.910	15476.910
5	15264.390	15467.730	15339.180	15378.915	15275.610
10	14895.165	14953.350	14849.415	14966.955	15120.870
15	13684.575	13538.805	13472.850	13494.735	13566.210
20	11404.860	11339.580	11217.720	11244.165	11385.075
25	9172.920	9148.620	9134.640	9128.760	9228.060
30	6755.610	6727.005	6829.185	6857.955	6814.770
35	3691.755	3691.335	3887.940	3890.295	3930.570
40	1682.940	1670.265	1782.255	1754.310	1730.985
45	969.015	975.570	1020.060	998.970	985.725
50	612.150	625.230	634.065	627.150	589.815
55	448.515	455.835	455.280	449.220	428.925
60	333.915	342.435	338.490	334.680	327.705
65	246.885	246.705	244.680	247.560	241.935
70	164.325	160.590	164.445	161.715	159.990
75	89.970	87.870	90.885	91.620	91.230
80	49.980	48.660	48.990	47.940	46.905
85	22.650	22.860	21.930	23.460	22.005
90	4.665	3.735	4.830	3.375	4.395
95	39.030	40.260	39.615	41.940	41.970
100	43.905	46.710	46.485	48.840	47.130
105	55.635	63.765	67.245	65.340	63.435
110	67.560	70.785	75.030	74.340	73.035
115	70.500	70.485	71.340	67.875	74.670
120	69.930	71.490	69.120	71.250	72.300
125	70.410	68.085	73.575	72.240	71.970
130	74.625	73.380	71.760	71.820	71.670
135	79.155	78.015	77.010	78.945	79.860
140	87.945	85.080	83.790	81.720	87.915
145	94.140	88.470	97.110	96.090	90.540
150	105.105	104.550	106.380	100.905	101.715
155	109.770	107.670	110.835	107.160	111.570
160	122.655	117.300	123.735	115.410	117.000
165	125.610	131.670	130.350	122.760	127.005
170	141.420	132.720	132.435	136.020	138.945
175	166.560	133.380	142.335	136.035	138.660
180	127.455	127.455	127.455	127.455	127.455

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5188.69	N.A.	37.30
0-30	9352.61	N.A.	67.20
0-40	11842.23	N.A.	85.10
0-60	13087.2	N.A.	94.00
0-80	13435.24	N.A.	96.50
0-90	13461.9	N.A.	96.70
10-90	12008.98	N.A.	86.30
20-40	6653.54	N.A.	47.80
20-50	7483.74	N.A.	53.80
40-70	1489.89	N.A.	10.70
60-80	348.04	N.A.	2.50
70-80	103.12	N.A.	0.70
80-90	26.66	N.A.	0.20
90-110	101.37	N.A.	0.70
90-120	171.98	N.A.	1.20
90-130	236.07	N.A.	1.70
90-150	355.52	N.A.	2.60
90-180	455.44	N.A.	3.30
110-180	354.07	N.A.	2.50
0-180	13917.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1452.92
10-20	3735.77
20-30	4163.92
30-40	2489.62
40-50	830.20
50-60	414.77
60-70	244.92
70-80	103.12
80-90	26.66
90-100	36.01
100-110	65.36
110-120	70.61
120-130	64.09
130-140	60.67
140-150	58.78
150-160	50.87
160-170	35.95
170-180	13.10

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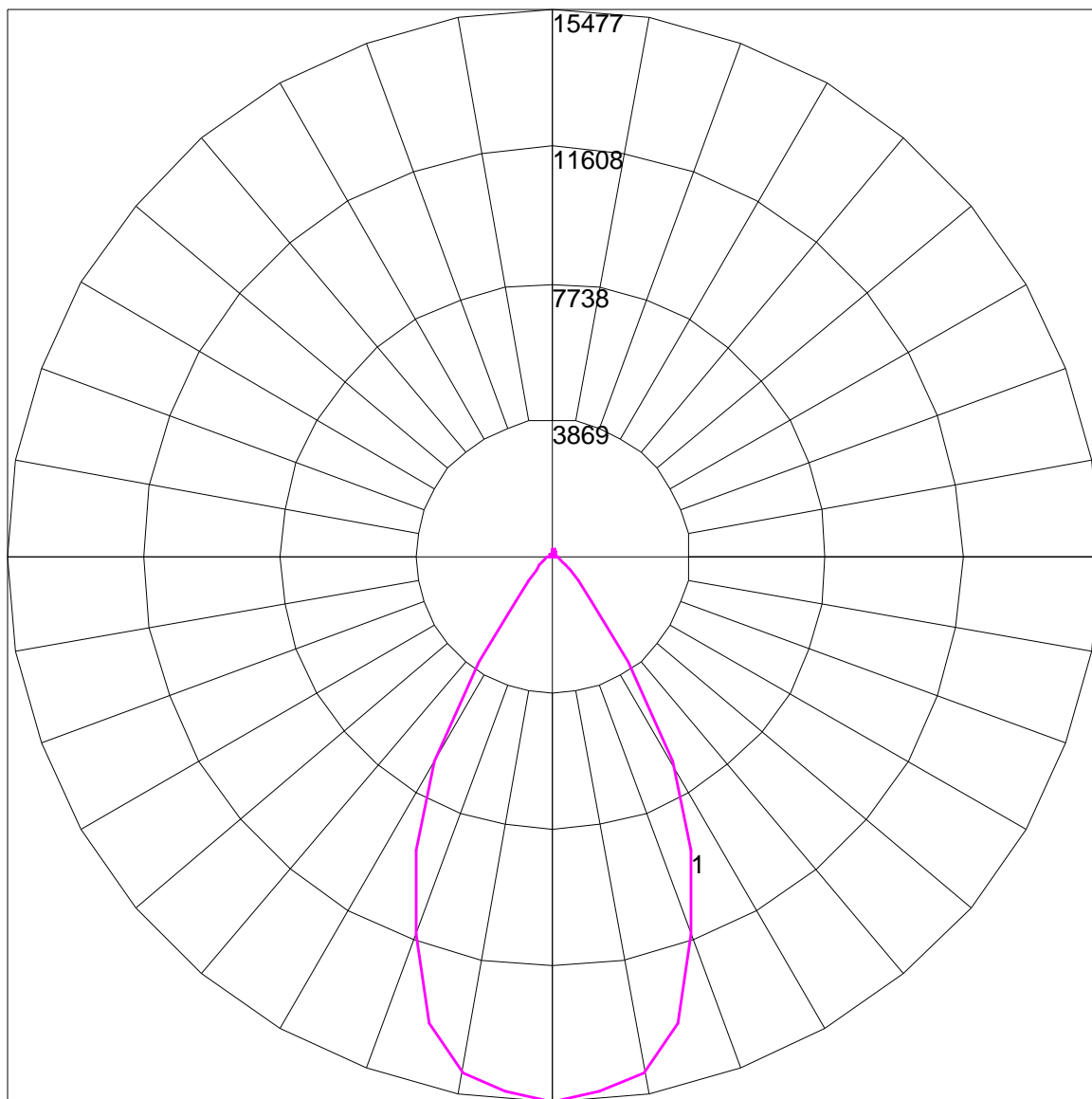
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 15476.91 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)