

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Mon Aug 15 2016

[UPDATE] Tue Oct 11 2016

[TEST] SP-00527

[MANUFAC] Spectrum Lighting

[LUMCAT] PRAF-L-16LEDLX-130L-35K-E1-PR16-AFPF (or AFSF)-MW

[LUMINAIRE] LED Prismatic Arc Pendant w/ Formed Metal Arms and Bottom Tier (ring)

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 16.2" Outside Diam. Decorative Tier Ring, Matte White Finish

[OTHER] Data Applicable to PRAF16-LEDLX-100L-35K-E1-PR16-AFPF (or AFSF)-MW

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] This report prepared by Spectrum Lighting, adapted from Intertek Test 101537614CRT-019

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	103.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.46 ft (Diameter)
Luminous Width (90-270)	1.46 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7169	7556	7174
55	4147	4265	3992
65	3213	3225	3253
75	2244	2163	2153
85	2759	2728	2633

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES****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>	12040.574	12040.574	12040.574	12040.574	12040.574
<b>5</b>	11991.835	12125.385	12028.748	12115.413	11972.037
<b>10</b>	11737.720	11688.218	11607.380	11709.726	11786.617
<b>15</b>	10727.837	10705.197	10576.015	10625.688	10589.104
<b>20</b>	8997.376	8868.904	8906.356	8829.386	8960.634
<b>25</b>	7302.288	7211.926	7274.768	7174.106	7244.735
<b>30</b>	5335.668	5358.584	5474.822	5418.360	5463.232
<b>35</b>	2938.972	2948.983	3091.570	3105.383	3114.367
<b>40</b>	1360.556	1334.706	1416.280	1405.362	1386.234
<b>45</b>	787.340	800.758	829.870	817.031	787.945
<b>50</b>	496.667	513.387	515.715	508.046	490.695
<b>55</b>	369.419	379.864	379.969	368.051	355.672
<b>60</b>	286.240	287.739	283.727	284.451	277.360
<b>65</b>	210.888	208.888	211.717	213.414	213.558
<b>70</b>	144.784	144.376	147.257	146.560	145.626
<b>75</b>	90.191	84.652	86.968	88.441	86.547
<b>80</b>	54.396	51.436	53.291	51.975	51.870
<b>85</b>	37.347	37.150	36.926	36.860	35.637
<b>90</b>	39.333	38.597	38.268	39.965	40.110
<b>95</b>	40.583	41.096	40.425	42.793	41.399
<b>100</b>	44.793	47.332	46.608	49.252	49.068
<b>105</b>	56.053	59.066	61.986	60.434	60.816
<b>110</b>	58.711	60.026	61.592	62.420	63.197
<b>115</b>	52.554	55.593	54.633	55.290	57.290
<b>120</b>	51.554	51.607	49.371	50.976	52.738
<b>125</b>	47.503	48.766	47.976	46.819	49.384
<b>130</b>	49.581	45.464	45.398	45.253	47.069
<b>135</b>	41.833	43.517	45.161	43.661	46.805
<b>140</b>	48.779	43.333	43.911	42.464	45.832
<b>145</b>	44.582	43.477	41.504	43.793	47.029
<b>150</b>	47.647	47.950	45.648	45.503	46.292
<b>155</b>	43.754	47.621	44.161	45.977	45.332
<b>160</b>	44.109	45.003	50.805	45.358	45.043
<b>165</b>	44.451	43.412	48.200	45.569	47.371
<b>170</b>	41.728	44.688	48.384	47.674	42.214
<b>175</b>	47.332	51.002	58.435	41.754	52.581
<b>180</b>	51.291	51.291	51.291	51.291	51.291

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4072.87	N.A.	36.90
0-30	7364.96	N.A.	66.80
0-40	9348.54	N.A.	84.80
0-60	10363.57	N.A.	94.00
0-80	10672.88	N.A.	96.80
0-90	10717.96	N.A.	97.20
10-90	9580.03	N.A.	86.90
20-40	5275.67	N.A.	47.90
20-50	5947.43	N.A.	53.90
40-70	1226.11	N.A.	11.10
60-80	309.31	N.A.	2.80
70-80	98.24	N.A.	0.90
80-90	45.08	N.A.	0.40
90-110	106.63	N.A.	1.00
90-120	161.89	N.A.	1.50
90-130	205.25	N.A.	1.90
90-150	267.80	N.A.	2.40
90-180	306.78	N.A.	2.80
110-180	200.15	N.A.	1.80
0-180	11024.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1137.93
10-20	2934.94
20-30	3292.1
30-40	1983.57
40-50	671.75
50-60	343.28
60-70	211.07
70-80	98.24
80-90	45.08
90-100	46.18
100-110	60.45
110-120	55.26
120-130	43.35
130-140	34.61
140-150	27.94
150-160	21.30
160-170	13.02
170-180	4.65

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

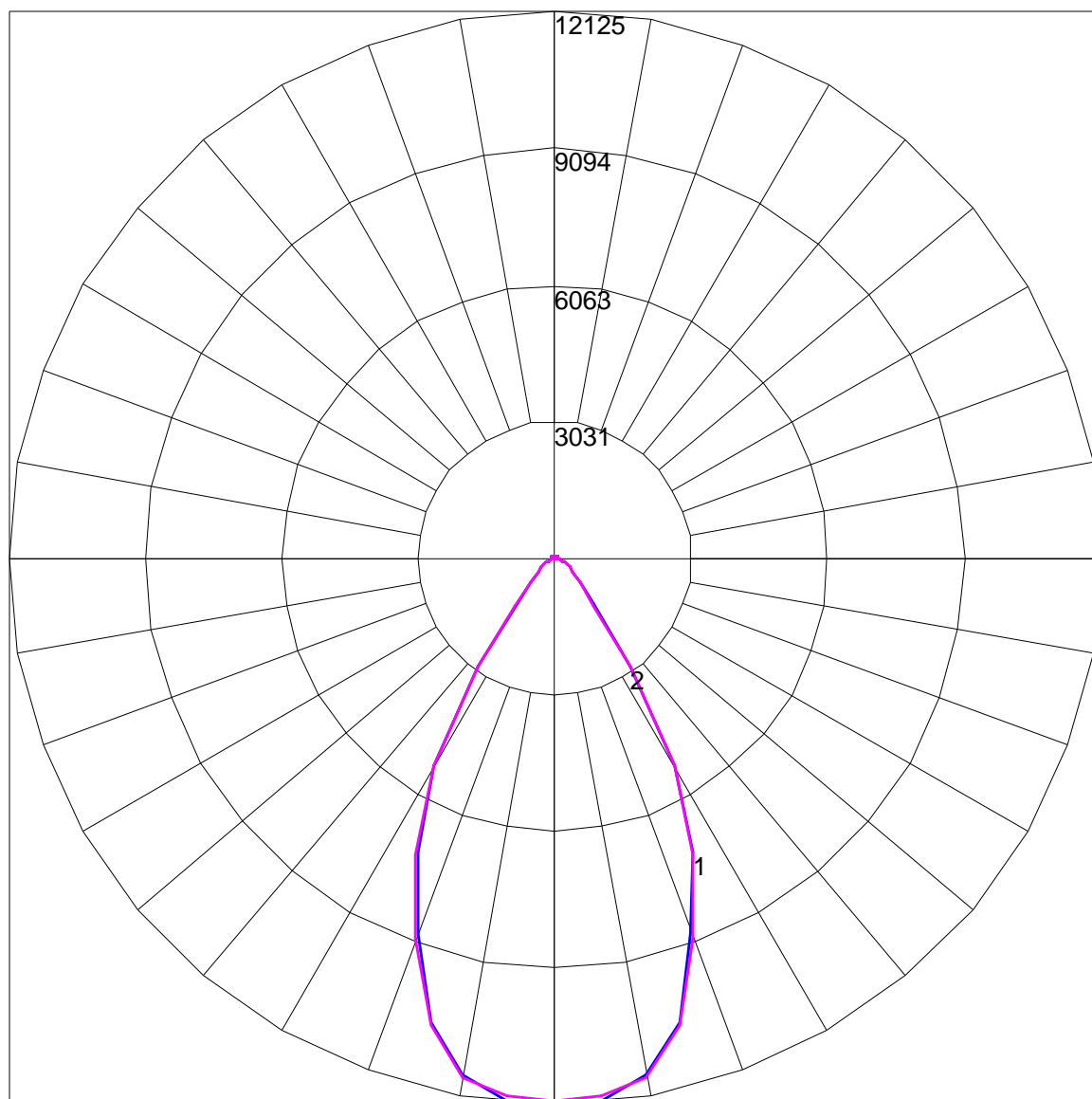
Effective Floor Cavity Reflectance 0.20

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	110	110	110	104	104	104	99	99	99	97
1	112	109	106	104	109	107	104	102	102	100	98	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	100	94	88	84	98	92	87	83	89	85	81	86	83	80	83	81	78	76
4	95	87	81	77	93	86	80	76	83	79	75	81	77	74	79	75	73	71
5	90	81	75	71	88	80	74	70	78	73	69	76	72	68	74	70	67	66
6	85	76	70	65	84	75	69	65	73	68	64	72	67	64	70	66	63	61
7	81	71	65	61	79	71	65	60	69	64	60	68	63	59	66	62	59	57
8	77	67	61	57	76	66	61	57	65	60	56	64	59	56	63	58	55	54
9	73	63	57	53	72	63	57	53	62	56	53	60	56	52	59	55	52	51
10	70	60	54	50	69	59	54	50	58	53	50	57	53	49	56	52	49	48

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-130L35KE1-PR16AFXFMW.IES

## POLAR GRAPH



Maximum Candela = 12125.385 Located At Horizontal Angle = 22.5, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)

# 2 - Vertical Plane Through Horizontal Angles (0 - 180)