

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-140L35KE1-PR16AFXFMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: 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-140L-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	11872
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	111.89
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-140L35KE1-PR16AFXFMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7720	8137	7726
55	4465	4593	4299
65	3460	3473	3504
75	2416	2330	2318
85	2971	2937	2835

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	12965.927	12965.927	12965.927	12965.927	12965.927
5	12913.442	13057.255	12953.192	13046.518	12892.122
10	12639.798	12586.491	12499.441	12609.652	12692.453
15	11552.302	11527.922	11388.812	11442.303	11402.907
20	9688.850	9550.505	9590.835	9507.950	9649.284
25	7863.490	7766.184	7833.855	7725.456	7801.514
30	5745.730	5770.407	5895.578	5834.777	5883.097
35	3164.840	3175.621	3329.166	3344.040	3353.715
40	1465.119	1437.282	1525.126	1513.368	1492.771
45	847.849	862.299	893.648	879.822	848.501
50	534.837	552.842	555.350	547.091	528.406
55	397.810	409.057	409.171	396.336	383.006
60	308.238	309.853	305.532	306.311	298.676
65	227.095	224.942	227.988	229.815	229.971
70	155.911	155.472	158.574	157.823	156.818
75	97.122	91.158	93.651	95.238	93.198
80	58.576	55.389	57.386	55.970	55.857
85	40.217	40.005	39.764	39.693	38.376
90	42.356	41.563	41.209	43.036	43.192
95	43.702	44.255	43.532	46.082	44.580
100	48.235	50.969	50.190	53.038	52.839
105	60.361	63.605	66.750	65.079	65.489
110	63.223	64.639	66.325	67.218	68.053
115	56.593	59.866	58.831	59.540	61.693
120	55.517	55.573	53.165	54.893	56.791
125	51.153	52.513	51.663	50.417	53.179
130	53.392	48.958	48.887	48.731	50.686
135	45.048	46.861	48.632	47.017	50.403
140	52.528	46.663	47.286	45.728	49.354
145	48.009	46.819	44.694	47.159	50.643
150	51.309	51.635	49.156	49.000	49.850
155	47.116	51.281	47.555	49.510	48.816
160	47.499	48.462	54.709	48.844	48.504
165	47.867	46.748	51.904	49.071	51.012
170	44.935	48.122	52.103	51.338	45.459
175	50.969	54.922	62.925	44.963	56.622
180	55.233	55.233	55.233	55.233	55.233

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Zone	Lumens	%Lamp	%Fixt
0-20	4385.88	N.A.	36.90
0-30	7930.98	N.A.	66.80
0-40	10067.00	N.A.	84.80
0-60	11160.04	N.A.	94.00
0-80	11493.13	N.A.	96.80
0-90	11541.67	N.A.	97.20
10-90	10316.29	N.A.	86.90
20-40	5681.12	N.A.	47.90
20-50	6404.5	N.A.	53.90
40-70	1320.34	N.A.	11.10
60-80	333.08	N.A.	2.80
70-80	105.78	N.A.	0.90
80-90	48.54	N.A.	0.40
90-110	114.83	N.A.	1.00
90-120	174.34	N.A.	1.50
90-130	221.02	N.A.	1.90
90-150	288.38	N.A.	2.40
90-180	330.35	N.A.	2.80
110-180	215.53	N.A.	1.80
0-180	11872.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1225.38
10-20	3160.49
20-30	3545.1
30-40	2136.02
40-50	723.38
50-60	369.66
60-70	227.30
70-80	105.78
80-90	48.54
90-100	49.73
100-110	65.10
110-120	59.51
120-130	46.68
130-140	37.27
140-150	30.09
150-160	22.94
160-170	14.03
170-180	5.00

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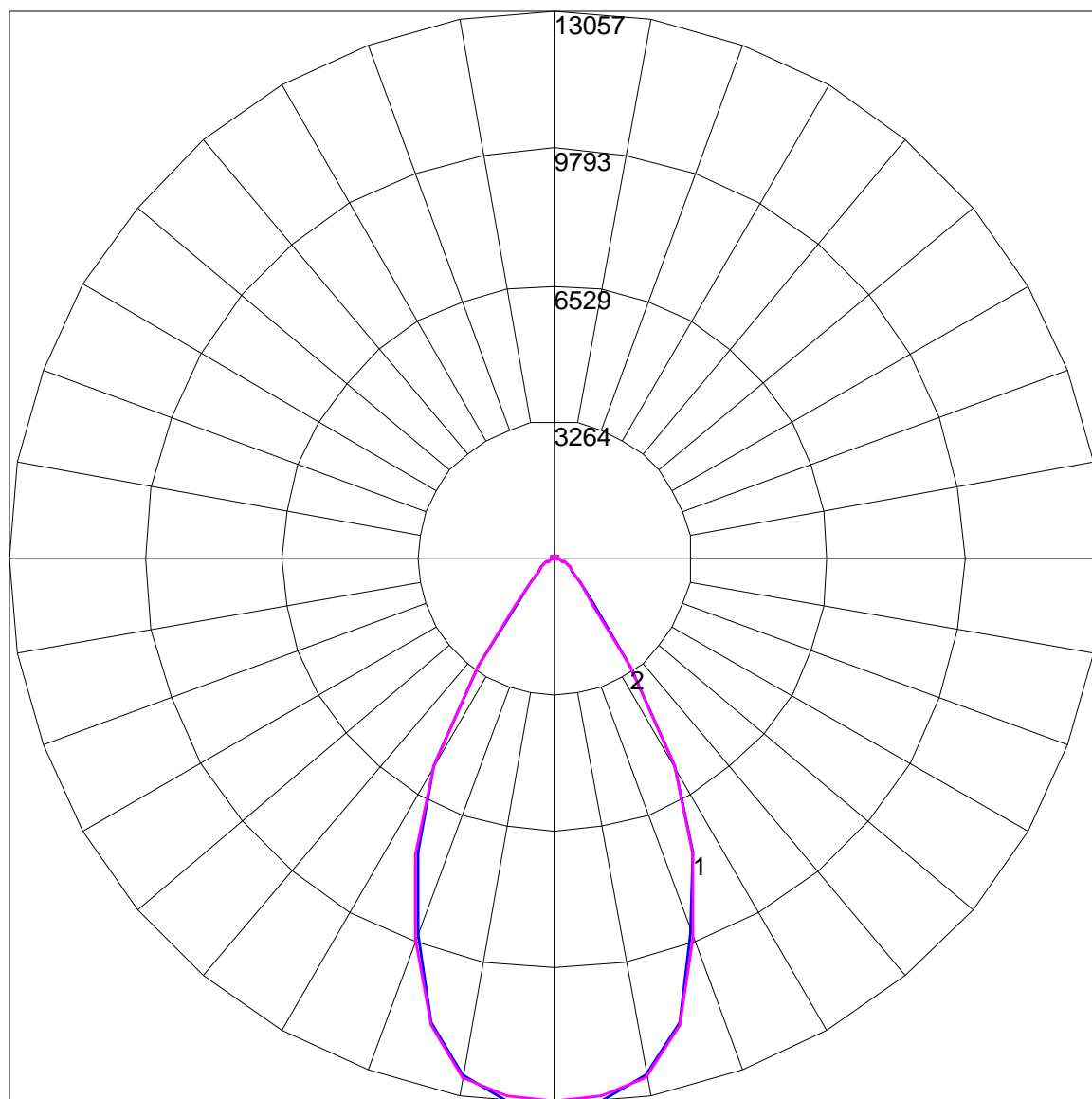
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	87	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

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POLAR GRAPH



Maximum Candela = 13057.255 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)