

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-100L35KE1-PR16AFXFMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Mon Aug 15 2016

[UPDATE] Tue Oct 11 2016

[TEST] SP-00527

[MANUFAC] Spectrum Lighting

[LUMCAT] PRAF-L-16LEDLX-100L-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	8381
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	81.06
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5450	5744	5454
55	3152	3242	3035
65	2442	2452	2473
75	1706	1645	1637
85	2097	2074	2001

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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	9152.85	9152.85	9152.85	9152.85	9152.85
5	9115.80	9217.32	9143.86	9209.74	9100.75
10	8922.63	8885.00	8823.55	8901.35	8959.80
15	8154.95	8137.74	8039.54	8077.30	8049.49
20	6839.51	6741.85	6770.32	6711.81	6811.58
25	5550.96	5482.27	5530.04	5453.52	5507.21
30	4056.00	4073.42	4161.78	4118.86	4152.97
35	2234.11	2241.72	2350.11	2360.61	2367.44
40	1034.25	1014.60	1076.61	1068.31	1053.77
45	598.51	608.71	630.84	621.08	598.97
50	377.55	390.26	392.03	386.20	373.01
55	280.82	288.76	288.84	279.78	270.37
60	217.59	218.73	215.68	216.23	210.84
65	160.31	158.79	160.94	162.23	162.34
70	110.06	109.75	111.94	111.41	110.70
75	68.56	64.35	66.11	67.23	65.79
80	41.35	39.10	40.51	39.51	39.43
85	28.39	28.24	28.07	28.02	27.09
90	29.90	29.34	29.09	30.38	30.49
95	30.85	31.24	30.73	32.53	31.47
100	34.05	35.98	35.43	37.44	37.30
105	42.61	44.90	47.12	45.94	46.23
110	44.63	45.63	46.82	47.45	48.04
115	39.95	42.26	41.53	42.03	43.55
120	39.19	39.23	37.53	38.75	40.09
125	36.11	37.07	36.47	35.59	37.54
130	37.69	34.56	34.51	34.40	35.78
135	31.80	33.08	34.33	33.19	35.58
140	37.08	32.94	33.38	32.28	34.84
145	33.89	33.05	31.55	33.29	35.75
150	36.22	36.45	34.70	34.59	35.19
155	33.26	36.20	33.57	34.95	34.46
160	33.53	34.21	38.62	34.48	34.24
165	33.79	33.00	36.64	34.64	36.01
170	31.72	33.97	36.78	36.24	32.09
175	35.98	38.77	44.42	31.74	39.97
180	38.99	38.99	38.99	38.99	38.99

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Zone	Lumens	%Lamp	%Fixt
0-20	3096.06	N.A.	36.90
0-30	5598.6	N.A.	66.80
0-40	7106.45	N.A.	84.80
0-60	7878.05	N.A.	94.00
0-80	8113.18	N.A.	96.80
0-90	8147.44	N.A.	97.20
10-90	7282.43	N.A.	86.90
20-40	4010.39	N.A.	47.90
20-50	4521.04	N.A.	53.90
40-70	932.05	N.A.	11.10
60-80	235.13	N.A.	2.80
70-80	74.68	N.A.	0.90
80-90	34.27	N.A.	0.40
90-110	81.06	N.A.	1.00
90-120	123.07	N.A.	1.50
90-130	156.02	N.A.	1.90
90-150	203.57	N.A.	2.40
90-180	233.20	N.A.	2.80
110-180	152.15	N.A.	1.80
0-180	8380.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	865.02
10-20	2231.04
20-30	2502.54
30-40	1507.85
40-50	510.65
50-60	260.95
60-70	160.45
70-80	74.68
80-90	34.27
90-100	35.10
100-110	45.96
110-120	42.01
120-130	32.96
130-140	26.31
140-150	21.24
150-160	16.20
160-170	9.90
170-180	3.53

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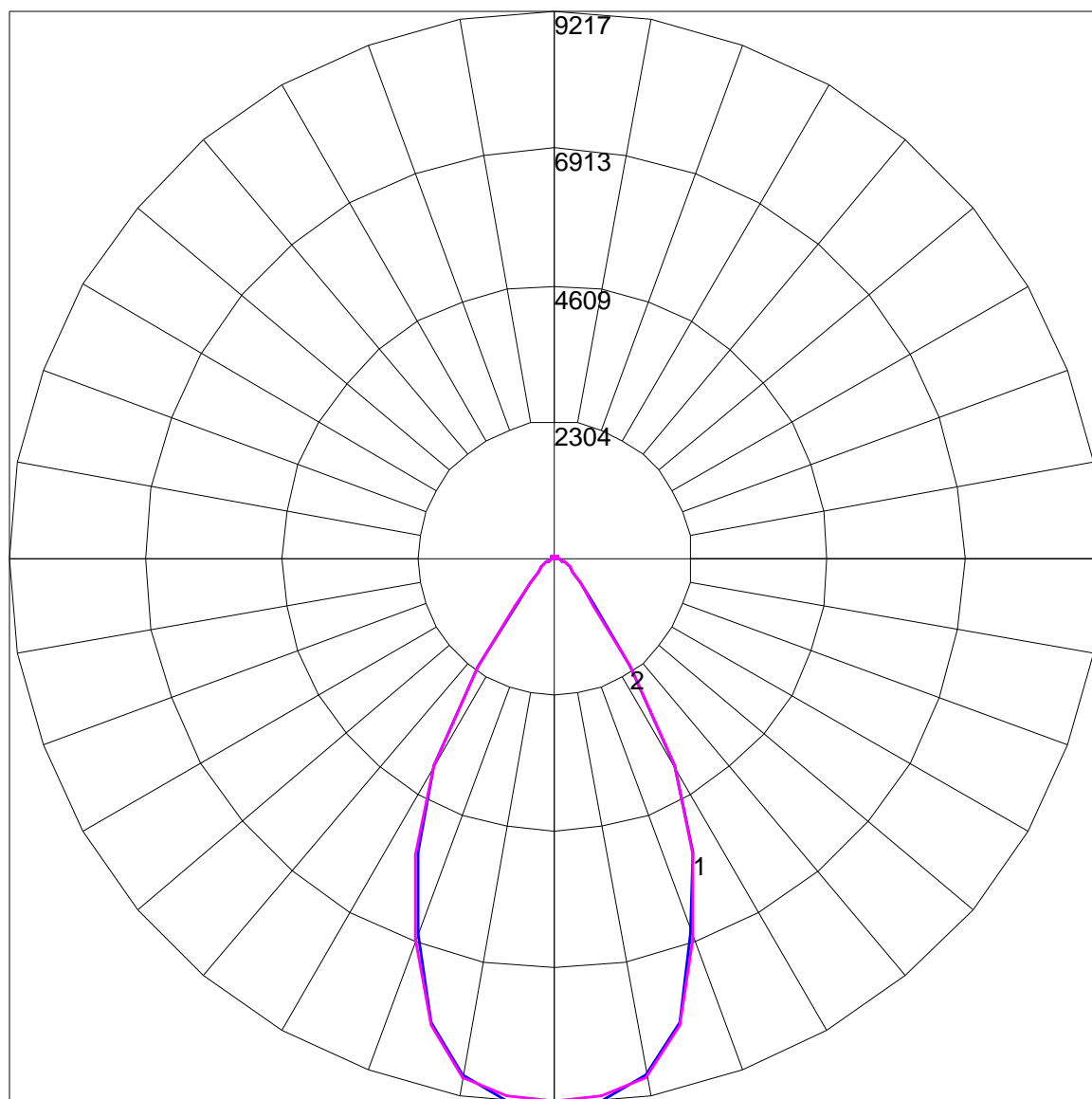
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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

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POLAR GRAPH



Maximum Candela = 9217.32 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)