

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00527 ~ PRAFX16LEDLX-65L35KE1-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_M-65L

[MANUFAC] Spectrum Lighting

[LUMCAT] PRAF-L-16LEDLX-65L-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-65L-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	5587
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	56.2
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-65L35KE1-PR16AFXFMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3633	3830	3636
55	2102	2162	2023
65	1628	1635	1649
75	1137	1096	1091
85	1398	1382	1334

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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	6102.205	6102.205	6102.205	6102.205	6102.205
5	6077.504	6145.187	6096.212	6140.134	6067.470
10	5948.717	5923.630	5882.661	5934.530	5973.499
15	5436.905	5425.431	5359.961	5385.136	5366.595
20	4559.901	4494.791	4513.772	4474.764	4541.280
25	3700.825	3655.029	3686.878	3635.862	3671.657
30	2704.135	2715.749	2774.659	2746.044	2768.785
35	1489.481	1494.555	1566.818	1573.819	1578.372
40	689.534	676.434	717.776	712.242	702.548
45	399.027	405.827	420.581	414.074	399.333
50	251.713	260.186	261.366	257.480	248.686
55	187.223	192.516	192.570	186.529	180.256
60	145.067	145.827	143.794	144.161	140.567
65	106.879	105.865	107.299	108.159	108.232
70	73.377	73.170	74.630	74.277	73.804
75	45.709	42.902	44.076	44.822	43.862
80	27.568	26.068	27.008	26.341	26.288
85	18.928	18.828	18.714	18.681	18.061
90	19.934	19.561	19.394	20.254	20.328
95	20.568	20.828	20.488	21.688	20.981
100	22.701	23.988	23.621	24.961	24.868
105	28.408	29.935	31.415	30.628	30.822
110	29.755	30.422	31.215	31.635	32.028
115	26.635	28.175	27.688	28.021	29.035
120	26.128	26.155	25.021	25.835	26.728
125	24.075	24.715	24.315	23.728	25.028
130	25.128	23.041	23.008	22.934	23.855
135	21.201	22.054	22.888	22.128	23.721
140	24.721	21.961	22.254	21.521	23.228
145	22.594	22.034	21.034	22.194	23.835
150	24.148	24.301	23.134	23.061	23.461
155	22.174	24.135	22.381	23.301	22.974
160	22.354	22.808	25.748	22.988	22.828
165	22.528	22.001	24.428	23.094	24.008
170	21.148	22.648	24.521	24.161	21.394
175	23.988	25.848	29.615	21.161	26.648
180	25.995	25.995	25.995	25.995	25.995

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Zone	Lumens	%Lamp	%Fixt
0-20	2064.14	N.A.	36.90
0-30	3732.59	N.A.	66.80
0-40	4737.87	N.A.	84.80
0-60	5252.3	N.A.	94.00
0-80	5409.05	N.A.	96.80
0-90	5431.9	N.A.	97.20
10-90	4855.19	N.A.	86.90
20-40	2673.73	N.A.	47.90
20-50	3014.18	N.A.	53.90
40-70	621.40	N.A.	11.10
60-80	156.76	N.A.	2.80
70-80	49.79	N.A.	0.90
80-90	22.85	N.A.	0.40
90-110	54.04	N.A.	1.00
90-120	82.05	N.A.	1.50
90-130	104.02	N.A.	1.90
90-150	135.72	N.A.	2.40
90-180	155.48	N.A.	2.80
110-180	101.44	N.A.	1.80
0-180	5587.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	576.71
10-20	1487.44
20-30	1668.45
30-40	1005.28
40-50	340.45
50-60	173.98
60-70	106.97
70-80	49.79
80-90	22.85
90-100	23.40
100-110	30.64
110-120	28.01
120-130	21.97
130-140	17.54
140-150	14.16
150-160	10.80
160-170	6.60
170-180	2.36

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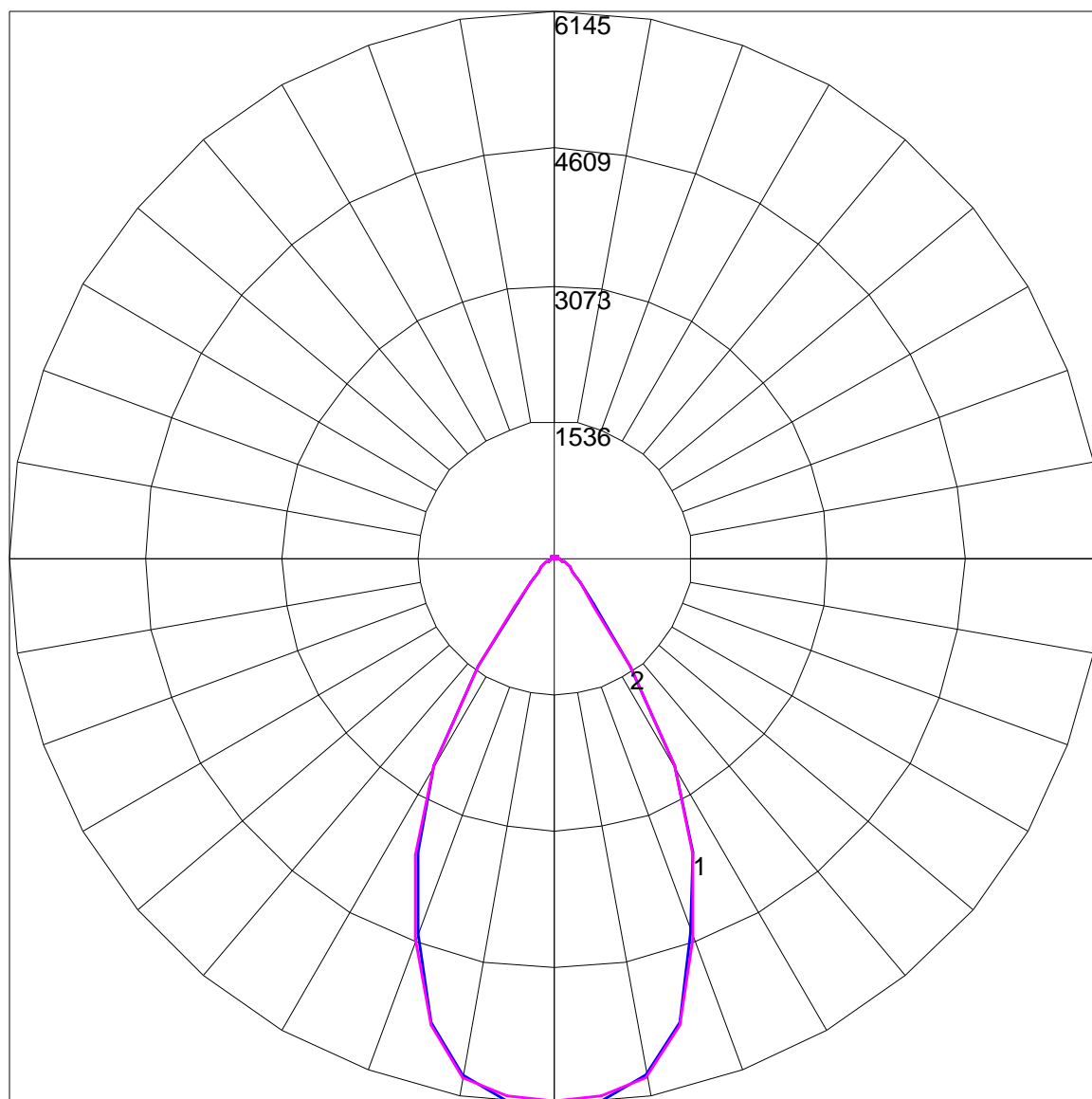
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6145.187 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)