

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PA1415LEDGV-15L-35KEX-CP13.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 3.2.11 see: www.ltioptics.com/ies

[ISSUEDATE]

[TEST] SP-00413_M-15L-35K

[TESTDATE] Jul 15 2013

[UPDATE] 12/10/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] PA1415LEDGV-15L-35K-EX-CP13

[OTHER] UV Stabilized, Upper & Lower Clear Prismatic Acrylic Refractors

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.98, 27K x 0.97

[OTHER] This report generated by Spectrum Lighting, scaled from Gen1 26W 35K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1290
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.64
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.10 ft (Diameter)
Luminous Width (90-270)	1.10 ft (Diameter)
Luminous Height	1.08 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1552	1550	1585
55	1289	1299	1287
65	1063	1056	1065
75	849	862	882
85	711	710	702

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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	228.669	228.669	228.669	228.669	228.669
5	230.561	239.692	233.354	232.776	238.367
10	243.336	237.416	239.953	240.838	236.804
15	242.028	243.253	244.237	237.377	242.062
20	246.279	244.421	245.945	243.692	242.535
25	249.723	250.786	245.300	248.650	246.001
30	245.918	249.328	249.918	248.889	247.943
35	243.286	245.534	243.814	243.013	244.660
40	234.150	233.799	235.741	235.953	233.794
45	219.756	220.017	219.516	220.106	224.474
50	204.432	202.285	201.990	204.271	202.073
55	183.189	183.601	184.597	183.401	182.889
60	164.400	163.014	163.320	163.170	164.043
65	147.157	145.588	146.133	145.743	147.407
70	128.578	129.524	129.146	129.897	129.101
75	110.818	114.112	112.465	112.437	115.064
80	98.655	99.023	98.071	98.750	97.370
85	84.295	83.354	84.150	83.961	83.215
90	71.542	70.863	70.769	71.815	71.024
95	60.853	61.760	61.549	61.543	61.482
100	52.841	54.188	54.544	53.921	53.637
105	47.617	48.368	47.912	48.357	49.091
110	43.516	42.787	43.600	42.681	43.316
115	38.725	38.909	38.375	38.125	39.660
120	35.109	34.591	34.747	34.146	35.220
125	30.635	30.441	30.936	30.251	30.719
130	26.540	28.404	27.992	27.992	27.141
135	25.300	25.706	25.745	25.989	25.828
140	24.020	23.363	24.103	23.586	23.714
145	22.512	23.719	23.480	23.157	23.413
150	24.064	23.775	23.502	23.452	23.964
155	23.692	24.142	23.825	24.087	23.124
160	24.287	24.231	24.476	24.726	24.209
165	26.190	25.578	25.127	25.789	26.490
170	24.721	26.023	25.867	25.288	24.699
175	25.622	26.229	26.001	25.544	28.082
180	28.399	28.399	28.399	28.399	28.399

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	91.16	N.A.	7.10
0-30	205.72	N.A.	15.90
0-40	358.21	N.A.	27.80
0-60	692.35	N.A.	53.70
0-80	957.31	N.A.	74.20
0-90	1049.28	N.A.	81.30
10-90	1026.75	N.A.	79.60
20-40	267.05	N.A.	20.70
20-50	436.91	N.A.	33.90
40-70	479.18	N.A.	37.10
60-80	264.96	N.A.	20.50
70-80	119.92	N.A.	9.30
80-90	91.96	N.A.	7.10
90-110	118.94	N.A.	9.20
90-120	157.47	N.A.	12.20
90-130	185.24	N.A.	14.40
90-150	220.00	N.A.	17.10
90-180	240.75	N.A.	18.70
110-180	121.81	N.A.	9.40
0-180	1290.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.52
10-20	68.63
20-30	114.57
30-40	152.48
40-50	169.86
50-60	164.29
60-70	145.04
70-80	119.92
80-90	91.96
90-100	67.71
100-110	51.23
110-120	38.53
120-130	27.77
130-140	19.98
140-150	14.77
150-160	11.08
160-170	7.17
170-180	2.50

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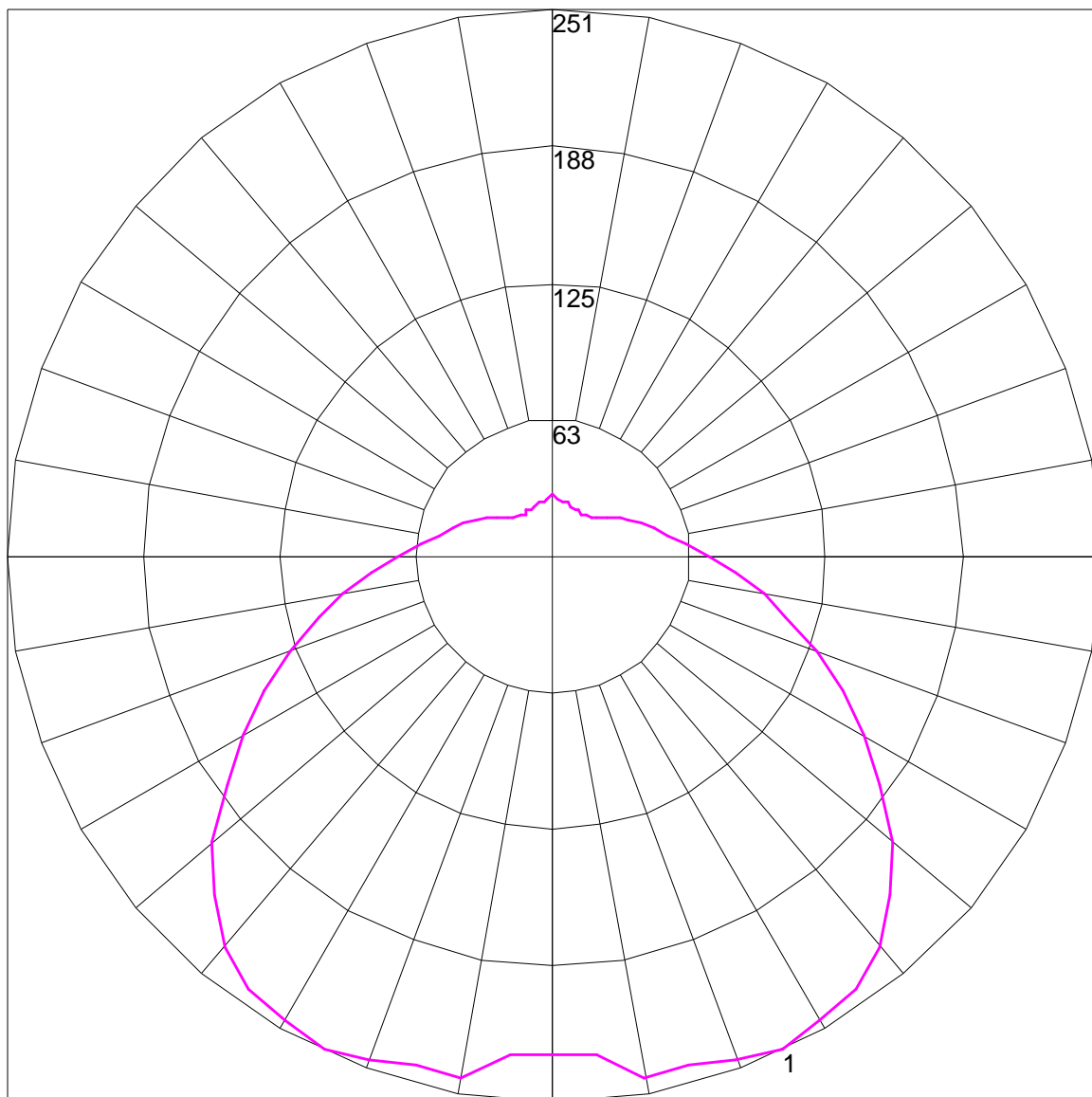
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	102	96	90	86	97	91	87	82	84	80	76	77	73	71	70	68	65	62
2	91	82	74	67	87	78	71	65	72	66	61	65	61	57	60	56	53	49
3	82	71	62	55	78	68	60	53	62	55	50	57	51	46	52	47	43	40
4	75	62	53	45	71	59	51	44	54	47	41	50	44	39	46	41	36	33
5	69	55	45	38	65	53	44	37	48	41	35	44	38	33	41	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	29	37	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	28	24	21
8	54	40	31	25	51	39	30	25	36	28	23	33	27	22	30	25	21	19
9	50	37	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	25	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

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POLAR GRAPH



Maximum Candela = 250.786 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)