

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PA1415LEDGV-27L-35KEX-CP13.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST] SP-00413_M-27L-35K

[TEST DATE] Jul 15 2013

[UPDATE] 12/10/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] PA1415LEDGV-27L-40K-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	2333
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	18
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PA1415LEDGV-27L-35KEX-CP13.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2807	2804	2867
55	2330	2348	2327
65	1923	1909	1926
75	1536	1559	1595
85	1286	1284	1269

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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	413.528	413.528	413.528	413.528	413.528
5	416.949	433.461	422.000	420.954	431.066
10	440.051	429.346	433.934	435.534	428.239
15	437.687	439.901	441.682	429.275	437.747
20	445.374	442.014	444.771	440.695	438.603
25	451.603	453.525	443.603	449.661	444.871
30	444.720	450.888	451.955	450.093	448.383
35	439.961	444.026	440.917	439.468	442.446
40	423.439	422.805	426.317	426.699	422.795
45	397.409	397.882	396.976	398.043	405.941
50	369.698	365.814	365.281	369.406	365.432
55	331.281	332.026	333.827	331.664	330.738
60	297.302	294.796	295.350	295.078	296.658
65	266.120	263.282	264.268	263.564	266.573
70	232.523	234.233	233.549	234.907	233.469
75	200.405	206.362	203.383	203.333	208.082
80	178.409	179.073	177.353	178.580	176.085
85	152.439	150.739	152.178	151.836	150.487
90	129.377	128.150	127.979	129.870	128.441
95	110.048	111.688	111.306	111.296	111.185
100	95.559	97.994	98.638	97.511	96.998
105	86.111	87.469	86.644	87.449	88.777
110	78.695	77.377	78.846	77.186	78.333
115	70.032	70.364	69.398	68.945	71.722
120	63.491	62.555	62.837	61.750	63.692
125	55.401	55.049	55.945	54.707	55.552
130	47.996	51.367	50.622	50.622	49.082
135	45.752	46.486	46.557	47.000	46.708
140	43.438	42.250	43.589	42.653	42.884
145	40.711	42.894	42.462	41.878	42.341
150	43.518	42.995	42.502	42.411	43.337
155	42.844	43.659	43.085	43.558	41.818
160	43.921	43.820	44.263	44.716	43.780
165	47.362	46.255	45.440	46.637	47.905
170	44.705	47.060	46.778	45.732	44.665
175	46.336	47.432	47.020	46.195	50.783
180	51.356	51.356	51.356	51.356	51.356

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	164.85	N.A.	7.10
0-30	372.03	N.A.	15.90
0-40	647.79	N.A.	27.80
0-60	1252.06	N.A.	53.70
0-80	1731.21	N.A.	74.20
0-90	1897.52	N.A.	81.30
10-90	1856.79	N.A.	79.60
20-40	482.94	N.A.	20.70
20-50	790.11	N.A.	33.90
40-70	866.56	N.A.	37.10
60-80	479.16	N.A.	20.50
70-80	216.87	N.A.	9.30
80-90	166.31	N.A.	7.10
90-110	215.10	N.A.	9.20
90-120	284.77	N.A.	12.20
90-130	335.00	N.A.	14.40
90-150	397.86	N.A.	17.10
90-180	435.38	N.A.	18.70
110-180	220.28	N.A.	9.40
0-180	2332.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	40.73
10-20	124.11
20-30	207.18
30-40	275.76
40-50	307.17
50-60	297.11
60-70	262.29
70-80	216.87
80-90	166.31
90-100	122.45
100-110	92.65
110-120	69.67
120-130	50.23
130-140	36.14
140-150	26.72
150-160	20.04
160-170	12.96
170-180	4.52

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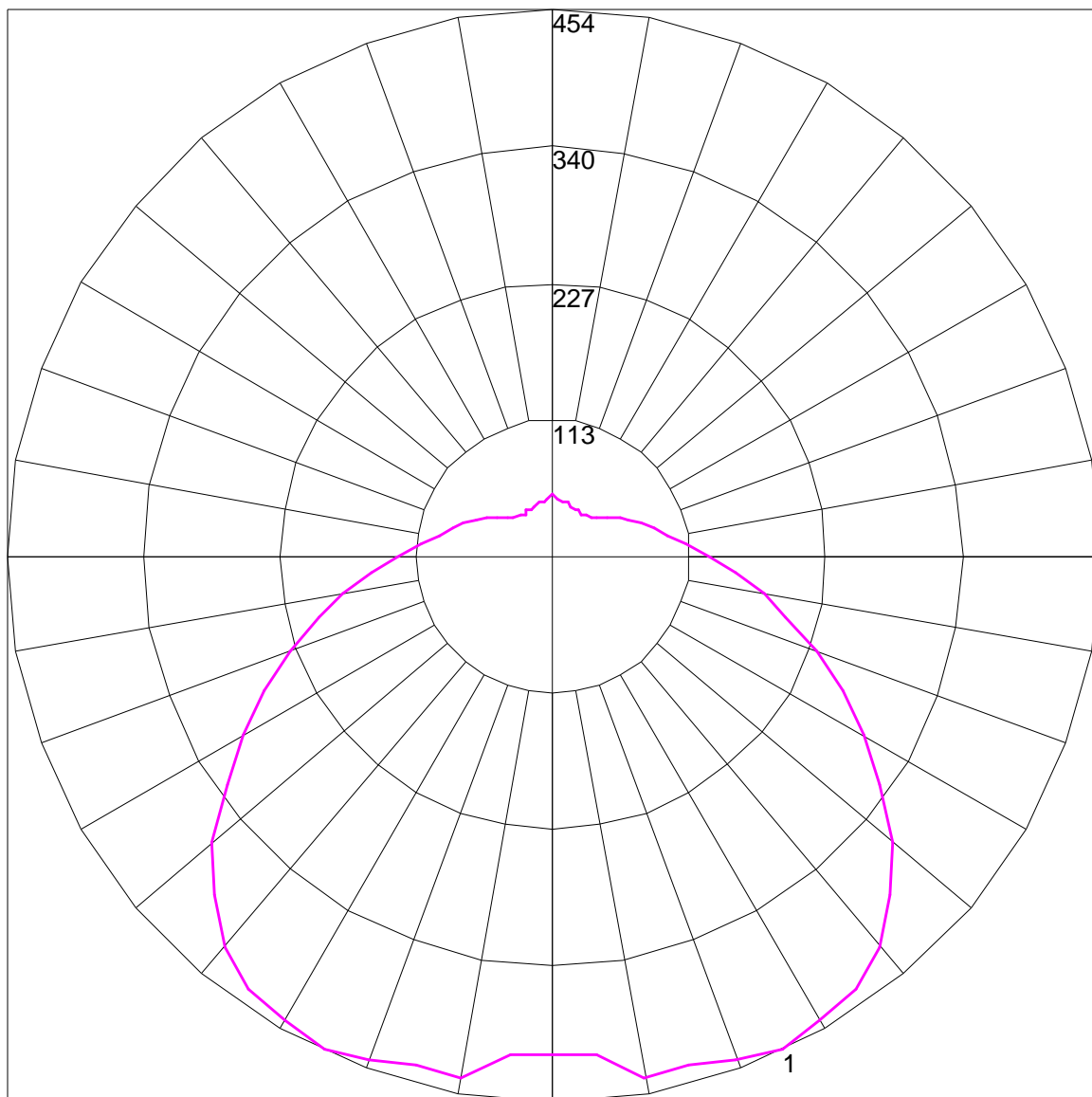
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	71	66	61	65	61	56	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 = 453.525 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)