

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PA1415LEDGV-37L-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-37L-35K

[TESTDATE] Jul 15 2013

[UPDATE] 12/10/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] PA1415LEDGV-37L-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

[CRI] 85+

[CCTMULT] 27K x 0.97, 30K x 0.99, 40K x 1.03

[LAMPMULT] 15L x 0.57, 27L x 1.0, 37L x 1.47

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3156
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	26
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-37L-35KEX-CP13.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3797	3793	3879
55	3153	3177	3148
65	2601	2583	2606
75	2078	2109	2158
85	1740	1737	1717

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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	559.467	559.467	559.467	559.467	559.467
5	564.095	586.434	570.929	569.513	583.195
10	595.351	580.867	587.074	589.239	579.369
15	592.152	595.147	597.556	580.771	592.234
20	602.552	598.005	601.735	596.222	593.391
25	610.979	613.579	600.156	608.351	601.872
30	601.667	610.012	611.455	608.937	606.623
35	595.228	600.728	596.522	594.561	598.591
40	572.876	572.018	576.769	577.286	572.005
45	537.659	538.299	537.074	538.517	549.203
50	500.169	494.914	494.193	499.774	494.397
55	448.194	449.202	451.638	448.712	447.459
60	402.223	398.834	399.582	399.215	401.352
65	360.037	356.198	357.532	356.579	360.649
70	314.583	316.897	315.971	317.809	315.862
75	271.130	279.189	275.160	275.092	281.517
80	241.372	242.271	239.943	241.604	238.227
85	206.237	203.936	205.883	205.420	203.596
90	175.036	173.375	173.144	175.703	173.770
95	148.885	151.104	150.587	150.573	150.424
100	129.283	132.577	133.448	131.924	131.229
105	116.500	118.338	117.222	118.311	120.107
110	106.467	104.684	106.671	104.425	105.977
115	94.746	95.196	93.889	93.276	97.033
120	85.898	84.632	85.013	83.543	86.170
125	74.953	74.477	75.688	74.014	75.157
130	64.934	69.494	68.487	68.487	66.404
135	61.898	62.892	62.987	63.586	63.192
140	58.767	57.161	58.972	57.706	58.019
145	55.078	58.032	57.447	56.657	57.284
150	58.876	58.168	57.501	57.379	58.631
155	57.964	59.067	58.291	58.931	56.576
160	59.421	59.285	59.884	60.496	59.230
165	64.076	62.579	61.476	63.096	64.811
170	60.483	63.668	63.287	61.871	60.428
175	62.688	64.172	63.614	62.497	68.705
180	69.481	69.481	69.481	69.481	69.481

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	223.02	N.A.	7.10
0-30	503.32	N.A.	15.90
0-40	876.40	N.A.	27.80
0-60	1693.93	N.A.	53.70
0-80	2342.18	N.A.	74.20
0-90	2567.18	N.A.	81.30
10-90	2512.07	N.A.	79.60
20-40	653.37	N.A.	20.70
20-50	1068.95	N.A.	33.90
40-70	1172.38	N.A.	37.10
60-80	648.26	N.A.	20.50
70-80	293.41	N.A.	9.30
80-90	225.00	N.A.	7.10
90-110	291.01	N.A.	9.20
90-120	385.27	N.A.	12.20
90-130	453.22	N.A.	14.40
90-150	538.26	N.A.	17.10
90-180	589.03	N.A.	18.70
110-180	298.02	N.A.	9.40
0-180	3156.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.11
10-20	167.92
20-30	280.30
30-40	373.07
40-50	415.57
50-60	401.96
60-70	354.85
70-80	293.41
80-90	225.00
90-100	165.66
100-110	125.35
110-120	94.26
120-130	67.95
130-140	48.89
140-150	36.15
150-160	27.11
160-170	17.54
170-180	6.11

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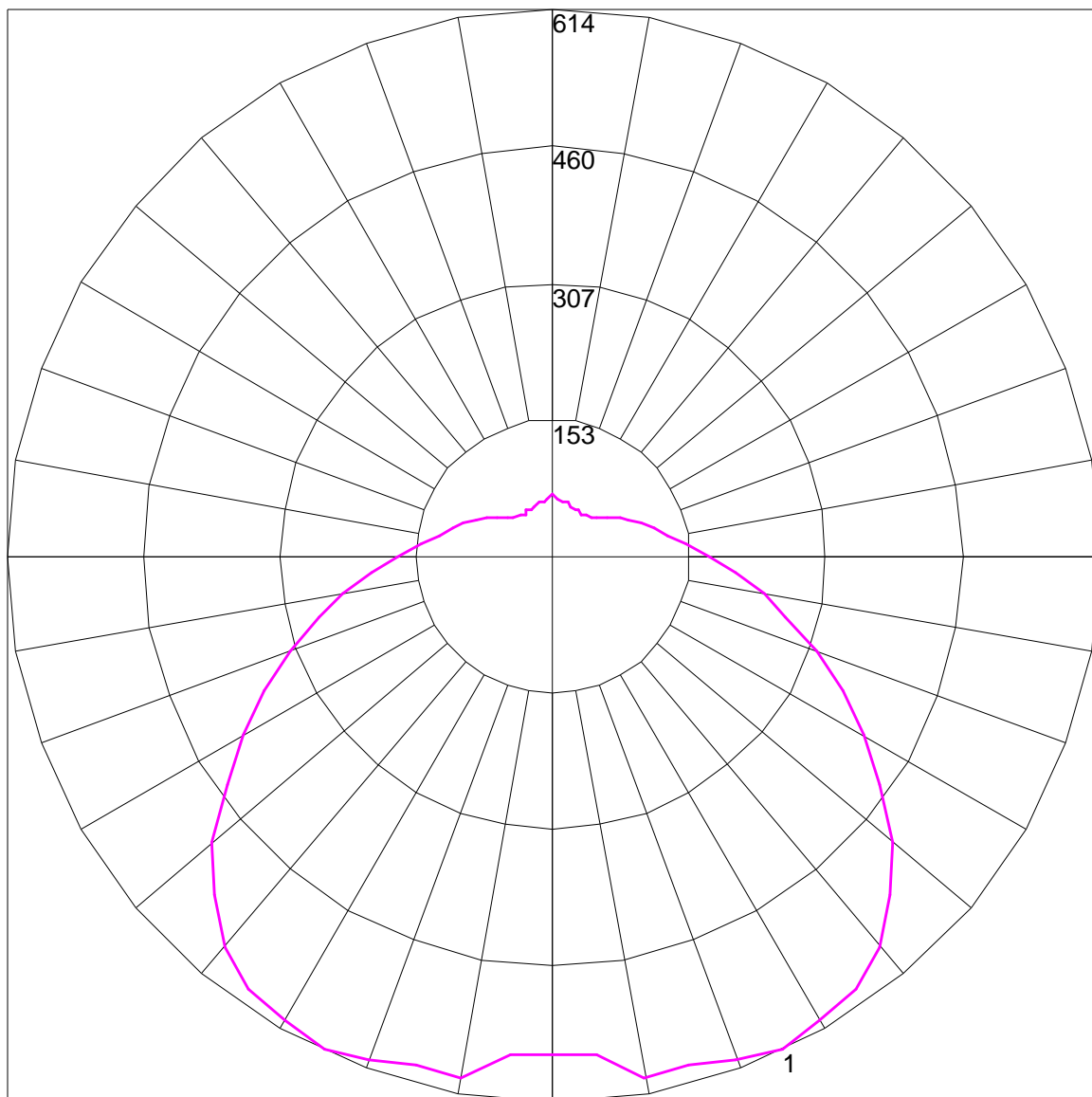
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	74	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 = 613.579 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)