

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CY0608LEDGV-15L35K-EX-XX-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.2.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Jul 24 2017

[UPDATE] Apr 10 2018

[TEST] SP-00595_M-15L

[MANUFAC] Spectrum Lighting

[LUMCAT] CY0608LEDGV-15L-35K-EX-xx-MW

[LUMINAIRE] 6" Diam. x 8" H, LED cylinder pendant, white opal acrylic

[OTHER] Open aperture

[LAMP] N/A, Gen3

[LAMPCAT] N/A

[OTHER] 42 Degree Beam Angle

[OTHER] Total Luminaire Wattage is approximate

[OTHER] CCT: 3500K

[OTHER] CCT Output Multipliers: 40K X 1.03, 30K X 0.985, 27K X 0.971

[OTHER] This report prepared by Spectrum Lighting, scaled from 27L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1127
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.75 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3402	3418	3471
55	2504	2442	2376
65	2071	2113	2086
75	1819	1832	1877
85	1702	1758	1762

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	542.144	542.144	542.144	542.144	542.144	542.144	542.144	542.144	542.144	542.144
5	539.967	552.128	550.415	551.389	537.974	551.389	550.415	552.128	539.967	552.128
10	539.171	550.833	538.667	549.201	543.266	549.201	538.667	550.833	539.171	550.833
15	558.360	557.999	558.360	562.988	552.918	562.988	558.360	557.999	558.360	557.999
20	474.009	467.015	471.558	469.559	470.269	469.559	471.558	467.015	474.009	467.015
25	246.487	254.403	251.282	249.082	245.428	249.082	251.282	254.403	246.487	254.403
30	161.856	155.893	158.259	157.325	157.045	157.325	158.259	155.893	161.856	155.893
35	147.845	145.251	149.919	148.252	153.476	148.252	149.919	145.251	147.845	145.251
40	137.329	140.485	139.557	144.437	139.574	144.437	139.557	140.485	137.329	140.485
45	127.820	125.621	128.405	130.020	130.415	130.020	128.405	125.621	127.820	125.621
50	110.207	110.871	109.594	110.081	110.711	110.081	109.594	110.871	110.207	110.871
55	97.766	92.782	95.320	93.601	92.748	93.601	95.320	92.782	97.766	92.782
60	86.917	86.418	89.133	86.670	87.306	86.670	89.133	86.418	86.917	86.418
65	81.441	83.657	83.073	80.438	82.014	80.438	83.073	83.657	81.441	83.657
70	76.921	73.863	75.759	76.108	75.283	76.108	75.759	73.863	76.921	73.863
75	69.853	71.617	70.351	72.614	72.075	72.614	70.351	71.617	69.853	71.617
80	66.783	66.777	67.928	66.932	68.192	66.932	67.928	66.777	66.783	66.777
85	61.822	63.019	63.867	62.951	64.016	62.951	63.867	63.019	61.822	63.019
90	59.233	59.119	61.295	60.694	61.593	60.694	61.295	59.119	59.233	59.119
95	60.488	60.912	61.811	60.917	61.341	60.917	61.811	60.912	60.488	60.912
100	60.562	58.723	62.223	59.732	60.293	59.732	62.223	58.723	60.562	58.723
105	61.106	58.151	58.105	58.443	57.813	58.443	58.105	58.151	61.106	58.151
110	58.179	58.105	56.472	57.876	54.800	57.876	56.472	58.105	58.179	58.105
115	56.455	54.685	55.132	55.825	56.913	55.825	55.132	54.685	56.455	54.685
120	51.460	54.342	52.486	51.495	52.405	51.495	52.486	54.342	51.460	54.342
125	49.289	48.310	48.711	48.379	51.197	48.379	48.711	48.310	49.289	48.310
130	46.059	46.219	45.933	45.709	44.850	45.709	45.933	46.219	46.059	46.219
135	42.296	41.419	40.176	39.907	43.212	39.907	40.176	41.419	42.296	41.419
140	38.469	37.811	37.140	39.580	36.522	39.580	37.140	37.811	38.469	37.811
145	29.728	32.816	34.769	31.762	33.978	31.762	34.769	32.816	29.728	32.816
150	28.440	27.798	28.193	25.409	26.710	25.409	28.193	27.798	28.440	27.798
155	21.870	21.600	22.122	24.006	22.878	24.006	22.122	21.600	21.870	21.600
160	16.182	16.995	17.906	15.219	17.384	15.219	17.906	16.995	16.182	16.995
165	10.391	10.700	12.006	11.639	9.365	11.639	12.006	10.700	10.391	10.700
170	6.547	6.730	5.573	5.991	6.753	5.991	5.573	6.730	6.547	6.730
175	2.664	3.087	3.385	2.154	3.059	2.154	3.385	3.087	2.664	3.087
180	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	542.144	542.144	542.144	542.144	542.144	542.144	542.144
5	550.415	551.389	537.974	551.389	550.415	552.128	539.967
10	538.667	549.201	543.266	549.201	538.667	550.833	539.171
15	558.360	562.988	552.918	562.988	558.360	557.999	558.360
20	471.558	469.559	470.269	469.559	471.558	467.015	474.009
25	251.282	249.082	245.428	249.082	251.282	254.403	246.487
30	158.259	157.325	157.045	157.325	158.259	155.893	161.856
35	149.919	148.252	153.476	148.252	149.919	145.251	147.845
40	139.557	144.437	139.574	144.437	139.557	140.485	137.329
45	128.405	130.020	130.415	130.020	128.405	125.621	127.820
50	109.594	110.081	110.711	110.081	109.594	110.871	110.207
55	95.320	93.601	92.748	93.601	95.320	92.782	97.766
60	89.133	86.670	87.306	86.670	89.133	86.418	86.917

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65	83.073	80.438	82.014	80.438	83.073	83.657	81.441
70	75.759	76.108	75.283	76.108	75.759	73.863	76.921
75	70.351	72.614	72.075	72.614	70.351	71.617	69.853
80	67.928	66.932	68.192	66.932	67.928	66.777	66.783
85	63.867	62.951	64.016	62.951	63.867	63.019	61.822
90	61.295	60.694	61.593	60.694	61.295	59.119	59.233
95	61.811	60.917	61.341	60.917	61.811	60.912	60.488
100	62.223	59.732	60.293	59.732	62.223	58.723	60.562
105	58.105	58.443	57.813	58.443	58.105	58.151	61.106
110	56.472	57.876	54.800	57.876	56.472	58.105	58.179
115	55.132	55.825	56.913	55.825	55.132	54.685	56.455
120	52.486	51.495	52.405	51.495	52.486	54.342	51.460
125	48.711	48.379	51.197	48.379	48.711	48.310	49.289
130	45.933	45.709	44.850	45.709	45.933	46.219	46.059
135	40.176	39.907	43.212	39.907	40.176	41.419	42.296
140	37.140	39.580	36.522	39.580	37.140	37.811	38.469
145	34.769	31.762	33.978	31.762	34.769	32.816	29.728
150	28.193	25.409	26.710	25.409	28.193	27.798	28.440
155	22.122	24.006	22.878	24.006	22.122	21.600	21.870
160	17.906	15.219	17.384	15.219	17.906	16.995	16.182
165	12.006	11.639	9.365	11.639	12.006	10.700	10.391
170	5.573	5.991	6.753	5.991	5.573	6.730	6.547
175	3.385	2.154	3.059	2.154	3.385	3.087	2.664
180	1.000	1.000	1.000	1.000	1.000	1.000	1.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.40	N.A.	18.00
0-30	329.57	N.A.	29.20
0-40	422.92	N.A.	37.50
0-60	607.37	N.A.	53.90
0-80	764.00	N.A.	67.80
0-90	833.29	N.A.	73.90
10-90	781.15	N.A.	69.30
20-40	220.52	N.A.	19.60
20-50	318.53	N.A.	28.30
40-70	265.59	N.A.	23.60
60-80	156.63	N.A.	13.90
70-80	75.49	N.A.	6.70
80-90	69.29	N.A.	6.10
90-110	128.32	N.A.	11.40
90-120	183.17	N.A.	16.20
90-130	227.23	N.A.	20.20
90-150	280.08	N.A.	24.80
90-180	294.19	N.A.	26.10
110-180	165.87	N.A.	14.70
0-180	1127.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.14
10-20	150.26
20-30	127.16
30-40	93.36
40-50	98.01
50-60	86.43
60-70	81.15
70-80	75.49
80-90	69.29
90-100	66.26
100-110	62.05
110-120	54.86
120-130	44.06
130-140	32.20
140-150	20.66
150-160	10.42
160-170	3.32
170-180	0.37

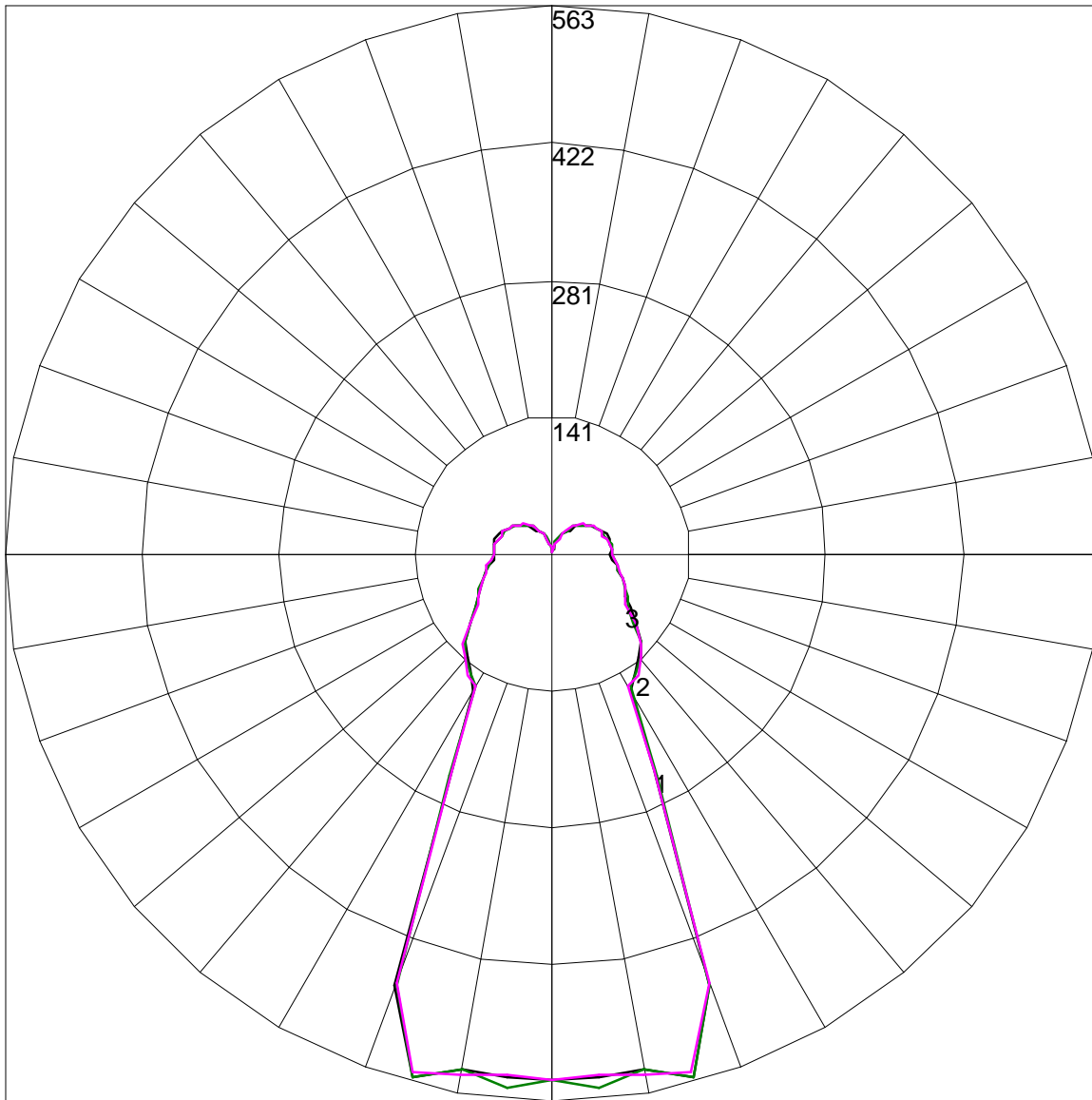
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	102	96	92	88	96	92	87	84	82	79	76	74	72	69	67	65	63	59
2	93	84	78	72	88	80	74	69	73	68	63	65	62	58	59	56	53	50
3	85	75	67	61	80	71	64	59	65	59	54	59	54	50	53	49	46	43
4	79	67	59	53	74	64	57	51	59	52	47	53	48	44	48	44	41	38
5	73	61	53	46	69	58	51	45	53	47	42	49	43	39	44	40	37	34
6	68	56	47	41	64	53	46	40	49	43	38	45	40	36	41	37	33	31
7	63	51	43	37	60	49	42	36	45	39	34	42	36	32	38	34	30	28
8	60	47	39	34	57	45	38	33	42	36	31	39	34	30	36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23

POLAR GRAPH



Maximum Candela = 562.988 Located At Horizontal Angle = 67.5, Vertical Angle = 15

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)