

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ATXAL12LEDGV-55L35KEX-XX-AL12-CFG-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.3.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Apr 16 2018

[UPDATE] Apr 17 2018

[TEST] SP-00456_6

[MANUFAC] Spectrum Lighting

[LUMCAT] ATXAL12LEDGV-55L-35K-EX-xx-AL12-CFG-xx

[LUMINAIRE] Nom. 12" Diam. LED Tech Pendant, Spun Aluminum Reflector

[OTHER] Inside of Reflector, Matte White Powder Coat Finish

[OTHER] Outer finish will not affect photometric data

[OTHER] (4) Chrome plated steel arms, support decorative element

[OTHER] Nom. 15" Diam. Sodalime Glass disc, with 12.5" Diam. Frosted Center Pattern

[OTHER] Nom. 77 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] CCT: 3500K, Gen3

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971

[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4135
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.25 ft (Diameter)
Luminous Width (90-270)	1.25 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ATXAL12LEDGV-55L35KEX-XX-AL12-CFG-XX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6620	6601	6651
55	5417	5533	5384
65	4655	4595	4664
75	4342	4078	4266
85	5941	5988	5941

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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>
0.0	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14
2.5	2602.04	2592.68	2593.18	2591.32	2602.35	2591.32	2593.18	2592.68	2602.04	2592.68
5.0	2567.93	2549.22	2550.22	2546.50	2568.55	2546.50	2550.22	2549.22	2567.93	2549.22
7.5	2456.89	2428.52	2436.25	2435.41	2447.00	2435.41	2436.25	2428.52	2456.89	2428.52
10.0	2345.84	2307.82	2322.27	2324.32	2325.45	2324.32	2322.27	2307.82	2345.84	2307.82
12.5	2164.90	2145.00	2147.40	2150.27	2139.47	2150.27	2147.40	2145.00	2164.90	2145.00
15.0	1983.96	1982.18	1972.52	1976.22	1953.48	1976.22	1972.52	1982.18	1983.96	1982.18
17.5	1988.05	1982.98	1982.69	1977.15	1973.34	1977.15	1982.69	1982.98	1988.05	1982.98
20.0	1992.13	1983.78	1992.86	1978.08	1993.20	1978.08	1992.86	1983.78	1992.13	1983.78
22.5	2079.44	2084.75	2076.90	2073.68	2085.23	2073.68	2076.90	2084.75	2079.44	2084.75
25.0	2166.74	2185.71	2160.94	2169.27	2177.26	2169.27	2160.94	2185.71	2166.74	2185.71
27.5	2211.57	2208.03	2200.01	2208.19	2202.54	2208.19	2200.01	2208.03	2211.57	2208.03
30.0	2256.39	2230.35	2239.07	2247.10	2227.82	2247.10	2239.07	2230.35	2256.39	2230.35
32.5	2048.86	2046.13	2041.90	2058.19	2038.59	2058.19	2041.90	2046.13	2048.86	2046.13
35.0	1841.32	1861.90	1844.72	1869.27	1849.35	1869.27	1844.72	1861.90	1841.32	1861.90
37.5	1469.24	1480.50	1471.74	1488.05	1473.63	1488.05	1471.74	1480.50	1469.24	1480.50
40.0	1097.16	1099.09	1098.76	1106.83	1097.90	1106.83	1098.76	1099.09	1097.16	1099.09
42.5	815.66	816.15	815.70	819.95	817.30	819.95	815.70	816.15	815.66	816.15
45.0	534.16	533.20	532.63	533.07	536.70	533.07	532.63	533.20	534.16	533.20
47.5	480.86	480.22	478.77	479.33	481.36	479.33	478.77	480.22	480.86	480.22
50.0	427.56	427.24	424.91	425.59	426.02	425.59	424.91	427.24	427.56	427.24
52.5	391.07	394.45	393.53	392.44	389.20	392.44	393.53	394.45	391.07	394.45
55.0	354.57	361.66	362.14	359.29	352.38	359.29	362.14	361.66	354.57	361.66
57.5	322.12	325.21	326.60	324.60	317.66	324.60	326.60	325.21	322.12	325.21
60.0	289.67	288.77	291.06	289.92	282.95	289.92	291.06	288.77	289.67	288.77
62.5	257.09	254.96	256.33	257.67	253.95	257.67	256.33	254.96	257.09	254.96
65.0	224.50	221.14	221.60	225.42	224.95	225.42	221.60	221.14	224.50	221.14
67.5	194.79	191.87	194.46	194.86	194.93	194.86	194.46	191.87	194.79	191.87
70.0	165.08	162.60	167.31	164.29	164.91	164.29	167.31	162.60	165.08	162.60
72.5	146.66	142.18	143.88	144.10	145.46	144.10	143.88	142.18	146.66	142.18
75.0	128.23	121.76	120.44	123.90	126.00	123.90	120.44	121.76	128.23	121.76
77.5	107.96	104.10	104.21	105.88	107.66	105.88	104.21	104.10	107.96	104.10
80.0	87.69	86.43	87.97	87.86	89.32	87.86	87.97	86.43	87.69	86.43
82.5	73.39	71.83	73.77	72.90	74.21	72.90	73.77	71.83	73.39	71.83
85.0	59.09	57.22	59.56	57.94	59.09	57.94	59.56	57.22	59.09	57.22
87.5	37.89	37.36	38.43	37.09	38.19	37.09	38.43	37.36	37.89	37.36
90.0	16.69	17.49	17.29	16.23	17.28	16.23	17.29	17.49	16.69	17.49

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>
0.0	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14	2636.14
2.5	2593.18	2591.32	2602.35	2591.32	2593.18	2592.68	2602.04
5.0	2550.22	2546.50	2568.55	2546.50	2550.22	2549.22	2567.93
7.5	2436.25	2435.41	2447.00	2435.41	2436.25	2428.52	2456.89
10.0	2322.27	2324.32	2325.45	2324.32	2322.27	2307.82	2345.84
12.5	2147.40	2150.27	2139.47	2150.27	2147.40	2145.00	2164.90
15.0	1972.52	1976.22	1953.48	1976.22	1972.52	1982.18	1983.96
17.5	1982.69	1977.15	1973.34	1977.15	1982.69	1982.98	1988.05
20.0	1992.86	1978.08	1993.20	1978.08	1992.86	1983.78	1992.13
22.5	2076.90	2073.68	2085.23	2073.68	2076.90	2084.75	2079.44
25.0	2160.94	2169.27	2177.26	2169.27	2160.94	2185.71	2166.74
27.5	2200.01	2208.19	2202.54	2208.19	2200.01	2208.03	2211.57
30.0	2239.07	2247.10	2227.82	2247.10	2239.07	2230.35	2256.39

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32.5	2041.90	2058.19	2038.59	2058.19	2041.90	2046.13	2048.86
35.0	1844.72	1869.27	1849.35	1869.27	1844.72	1861.90	1841.32
37.5	1471.74	1488.05	1473.63	1488.05	1471.74	1480.50	1469.24
40.0	1098.76	1106.83	1097.90	1106.83	1098.76	1099.09	1097.16
42.5	815.70	819.95	817.30	819.95	815.70	816.15	815.66
45.0	532.63	533.07	536.70	533.07	532.63	533.20	534.16
47.5	478.77	479.33	481.36	479.33	478.77	480.22	480.86
50.0	424.91	425.59	426.02	425.59	424.91	427.24	427.56
52.5	393.53	392.44	389.20	392.44	393.53	394.45	391.07
55.0	362.14	359.29	352.38	359.29	362.14	361.66	354.57
57.5	326.60	324.60	317.66	324.60	326.60	325.21	322.12
60.0	291.06	289.92	282.95	289.92	291.06	288.77	289.67
62.5	256.33	257.67	253.95	257.67	256.33	254.96	257.09
65.0	221.60	225.42	224.95	225.42	221.60	221.14	224.50
67.5	194.46	194.86	194.93	194.86	194.46	191.87	194.79
70.0	167.31	164.29	164.91	164.29	167.31	162.60	165.08
72.5	143.88	144.10	145.46	144.10	143.88	142.18	146.66
75.0	120.44	123.90	126.00	123.90	120.44	121.76	128.23
77.5	104.21	105.88	107.66	105.88	104.21	104.10	107.96
80.0	87.97	87.86	89.32	87.86	87.97	86.43	87.69
82.5	73.77	72.90	74.21	72.90	73.77	71.83	73.39
85.0	59.56	57.94	59.09	57.94	59.56	57.22	59.09
87.5	38.43	37.09	38.19	37.09	38.43	37.36	37.89
90.0	17.29	16.23	17.28	16.23	17.29	17.49	16.69

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ATXAL12LEDGV-55L35KEX-XX-AL12-CFG-XX.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	815.99	N.A.	19.70
0-30	1811.16	N.A.	43.80
0-40	2904.57	N.A.	70.30
0-60	3719.93	N.A.	90.00
0-80	4074.26	N.A.	98.50
0-90	4134.61	N.A.	100.00
10-90	3899.07	N.A.	94.30
20-40	2088.59	N.A.	50.50
20-50	2583.62	N.A.	62.50
40-70	1037.98	N.A.	25.10
60-80	354.32	N.A.	8.60
70-80	131.70	N.A.	3.20
80-90	60.36	N.A.	1.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4134.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.54
10-20	580.44
20-30	995.17
30-40	1093.42
40-50	495.03
50-60	320.33
60-70	222.62
70-80	131.70
80-90	60.36
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

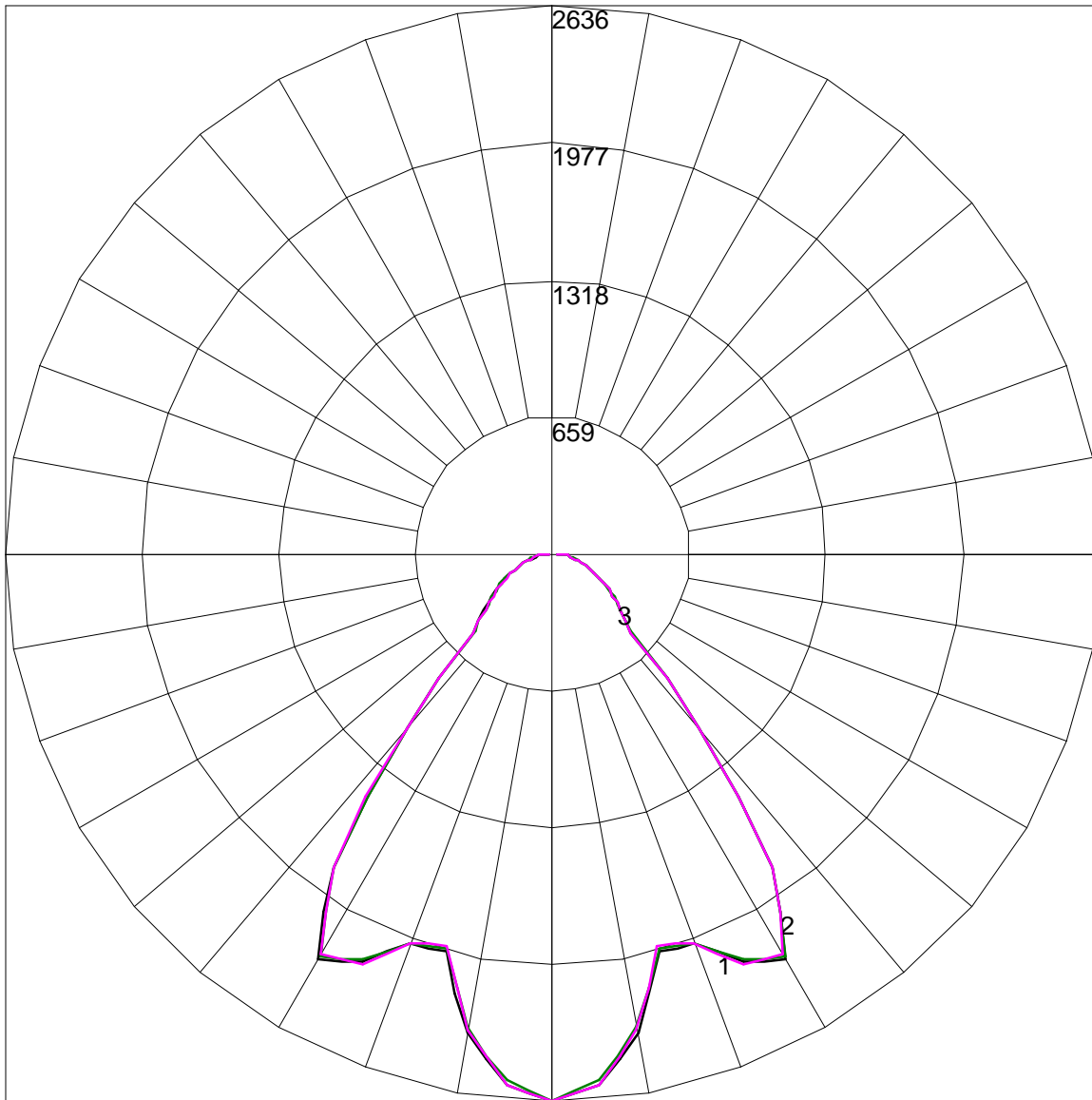
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	67	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

POLAR GRAPH



Maximum Candela = 2636.14 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)