



# Report of Test

## LLIA000901-026

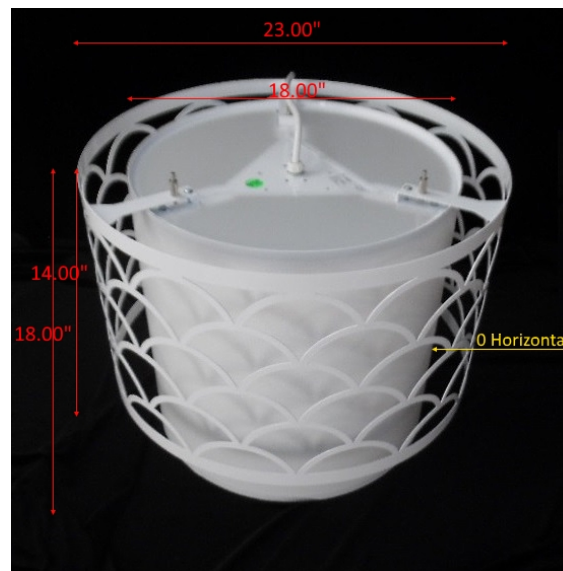
Catalog Number: P62301SL/F11/D61/L411

Pendant mounted, formed white enamel steel and aluminum frame with white "lumenate" diffuser and decorative steel accents, translucent white acrylic top and bottom enclosures.

One white LED module with clear patterned hemispherical lens below.

One ERP ESS030W-0620-42 LED driver

120.0Vac, 60.00Hz, 0.2111A, 24.79W, 0.978PF, 11.6%THD(i)



### Performance Summary

Total Light Output	1671 lm
Luminaire Power	24.8 W
Luminous Efficacy	67.4 lm/W

**PREPARED FOR : Lumetta, Inc, 33 Minnesota Avenue, Warwick, RI 02888, USA**



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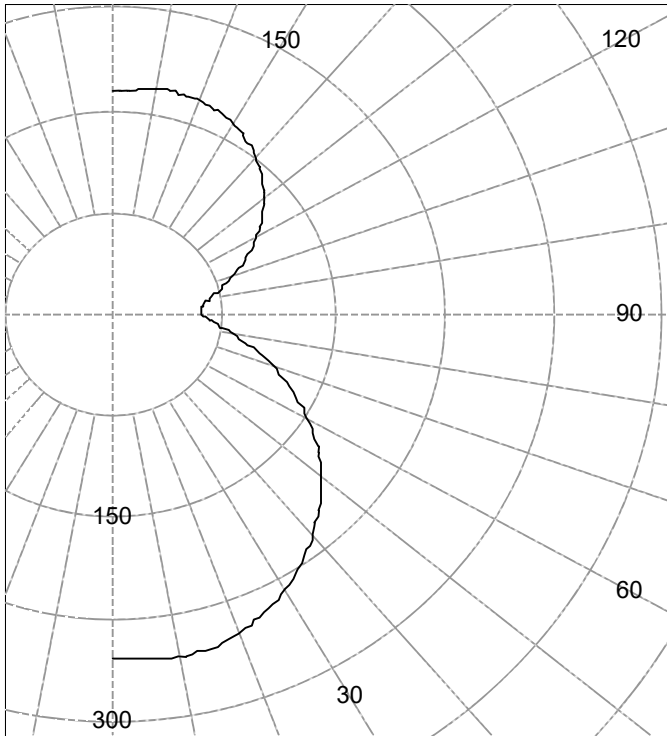
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Legend: All planes - Black (cd)



(Rotational symmetry)

**AVERAGE LUMINANCE (cd / m<sup>2</sup>)**

Gamma	C0
45.0	753
55.0	637
65.0	523
75.0	403
85.0	306

**INTENSITY SUMMARY (cd)**

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	255		90	60	
5	256	24	95	59	66
10	257		100	66	
15	255	72	105	76	81
20	250		110	87	
25	243	112	115	100	99
30	234		120	112	
35	223	140	125	123	110
40	211		130	134	
45	199	153	135	143	110
50	184		140	151	
55	169	151	145	157	98
60	153		150	162	
65	135	134	155	166	77
70	117		160	168	
75	98	104	165	169	48
80	81		170	169	
85	68	75	175	166	16
90	60		180	165	

**ZONAL FLUX AND PERCENTAGES**

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	209	N / A	12.5
0-40	348	N / A	20.9
0-60	653	N / A	39.1
0-90	966	N / A	57.8
40-90	618	N / A	37.0
60-90	313	N / A	18.7
90-180	705	N / A	42.2
0-180	1671	N / A	100.0

Total Light Output = 1,671 lm

Signed:

Authorized Signatory

Spacing Criterion: 0-180 1.4  
Spacing Criterion: 90-270 1.4

Date of test 12-Jan-2018  
Date of report 12-Jan-2018



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**Intensity (cd) and Flux (lm) data**

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	255		90.0	60	
2.5	254		92.5	59	
5.0	256	24	95.0	59	66
7.5	257		97.5	62	
10.0	257		100.0	66	
12.5	256		102.5	71	
15.0	255	72	105.0	76	81
17.5	253		107.5	81	
20.0	250		110.0	87	
22.5	247		112.5	93	
25.0	243	112	115.0	100	99
27.5	239		117.5	106	
30.0	234		120.0	112	
32.5	229		122.5	118	
35.0	223	140	125.0	123	110
37.5	218		127.5	129	
40.0	211		130.0	134	
42.5	205		132.5	139	
45.0	199	153	135.0	143	110
47.5	192		137.5	147	
50.0	184		140.0	151	
52.5	177		142.5	154	
55.0	169	151	145.0	157	98
57.5	161		147.5	160	
60.0	153		150.0	162	
62.5	144		152.5	164	
65.0	135	134	155.0	166	77
67.5	126		157.5	167	
70.0	117		160.0	168	
72.5	108		162.5	169	
75.0	98	104	165.0	169	48
77.5	90		167.5	169	
80.0	81		170.0	169	
82.5	74		172.5	168	
85.0	68	75	175.0	166	16
87.5	63		177.5	164	
90.0	60		180.0	165	



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**Coefficients Of Utilization - Zonal Cavity Method**

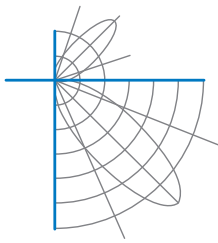
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	98	92	88	83	90	86	82	78	74	71	68	63	61	58	53	51	50	45
2	88	79	72	67	81	74	68	62	64	59	55	54	50	47	45	43	40	36
3	80	69	61	54	74	64	57	51	55	50	45	47	43	39	39	36	33	29
4	73	61	52	45	67	57	49	43	49	43	38	42	37	33	35	31	28	25
5	67	54	45	39	61	50	42	36	43	37	32	37	32	28	31	27	24	21
6	61	48	39	33	57	45	37	31	39	33	28	33	28	24	28	24	21	18
7	57	43	35	29	52	41	33	27	35	29	24	30	25	21	26	22	18	16
8	52	39	31	25	48	37	29	24	32	26	22	28	23	19	23	19	16	14
9	49	36	28	23	45	34	26	21	29	23	19	25	20	17	22	18	15	13
10	46	33	25	20	42	31	24	19	27	21	17	23	19	15	20	16	13	11

For absolute test reports, CUs are expressed as a percentage of total lumen output. Calculations were based on published IES procedures, and are based on the zonal cavity method. Basic assumptions: 1) Room surfaces are lambertian reflectors. 2) Incident flux on each surface is uniformly distributed. 3) The room is spectrally neutral. When luminaires are not evenly distributed throughout the room, or do not exhibit lateral symmetry, CU values may differ from actual performance.

**Circle of Light Plot**

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	7.1	8.16	8.16
8.0	4.0	10.88	10.88
10.0	2.5	13.60	13.60
12.0	1.8	16.32	16.32
14.0	1.3	19.04	19.04
16.0	1.0	21.76	21.76



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**Test Distance** 9.5 m  
**Test Temperature** 25.0 °C

**Notes**

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2015, ANSI C82.77-10:2014.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with \* are not covered.

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