



# Report of Test

## LLIA000901-024

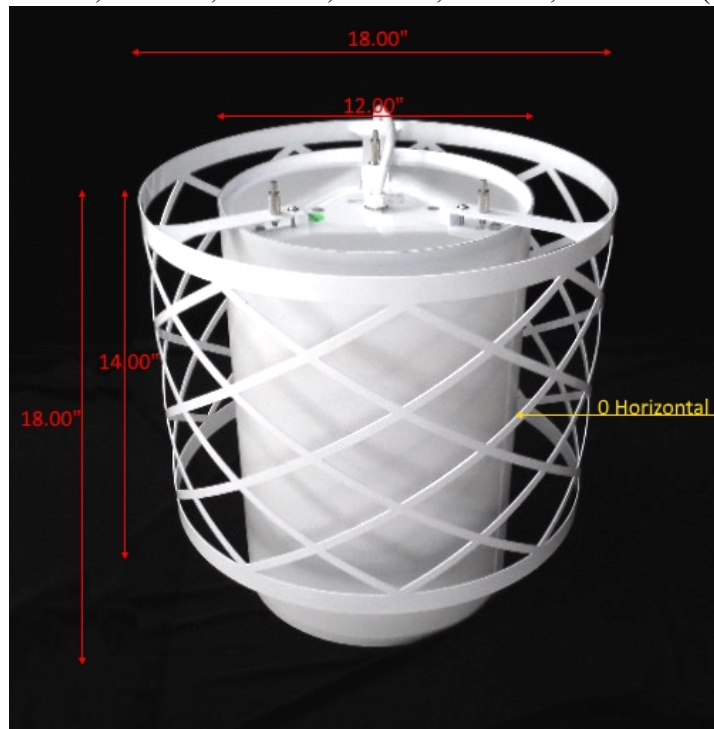
Catalog Number: P61803SL/F11/D61/L411

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, 0.2095A, 24.58W, 0.978PF, 12.1%THD(i)



### Performance Summary

Total Light Output	1491 lm
Luminaire Power	24.6 W
Luminous Efficacy	60.6 lm/W

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



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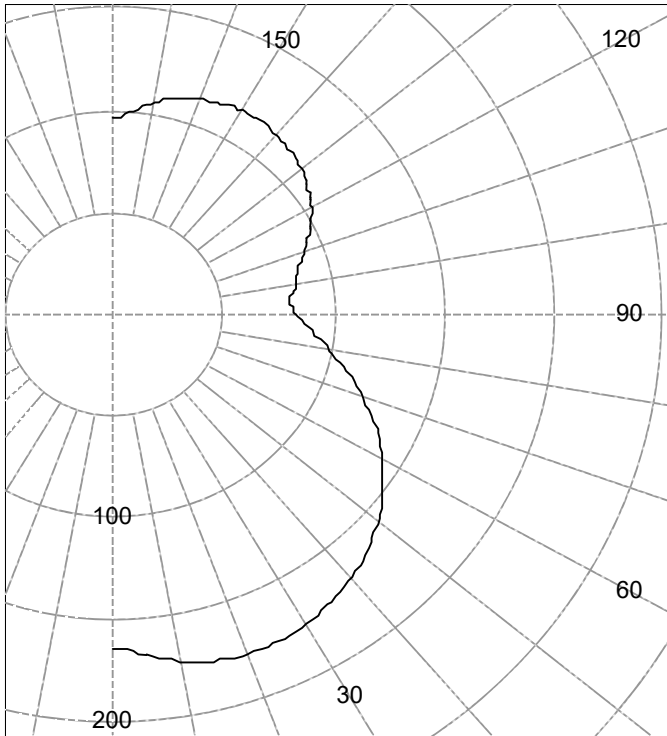
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Legend: All planes - Black (cd)



(Rotational symmetry)

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

Gamma	C0
45.0	1087
55.0	959
65.0	837
75.0	715
85.0	626

**INTENSITY SUMMARY (cd)**

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	165		90	83	
5	168	16	95	80	89
10	173		100	84	
15	177	50	105	87	92
20	178		110	92	
25	178	82	115	98	97
30	176		120	104	
35	172	108	125	108	96
40	168		130	111	
45	163	126	135	114	88
50	157		140	115	
55	150	134	145	116	73
60	141		150	116	
65	132	130	155	115	53
70	121		160	113	
75	110	116	165	110	31
80	99		170	106	
85	91	99	175	100	10
90	83		180	97	

**ZONAL FLUX AND PERCENTAGES**

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	148	N / A	9.9
0-40	256	N / A	17.2
0-60	517	N / A	34.6
0-90	862	N / A	57.8
40-90	605	N / A	40.6
60-90	345	N / A	23.1
90-180	630	N / A	42.2
0-180	1491	N / A	100.0

Total Light Output = 1,491 lm

Spacing Criterion: 0-180 1.6  
Spacing Criterion: 90-270 1.6

Signed:

Authorized Signatory

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	165		90.0	83	
2.5	166		92.5	81	
5.0	168	16	95.0	80	89
7.5	171		97.5	83	
10.0	173		100.0	84	
12.5	175		102.5	85	
15.0	177	50	105.0	87	92
17.5	178		107.5	89	
20.0	178		110.0	92	
22.5	178		112.5	95	
25.0	178	82	115.0	98	97
27.5	177		117.5	101	
30.0	176		120.0	104	
32.5	174		122.5	106	
35.0	172	108	125.0	108	96
37.5	170		127.5	110	
40.0	168		130.0	111	
42.5	166		132.5	112	
45.0	163	126	135.0	114	88
47.5	160		137.5	114	
50.0	157		140.0	115	
52.5	154		142.5	116	
55.0	150	134	145.0	116	73
57.5	145		147.5	116	
60.0	141		150.0	116	
62.5	136		152.5	115	
65.0	132	130	155.0	115	53
67.5	126		157.5	114	
70.0	121		160.0	113	
72.5	115		162.5	111	
75.0	110	116	165.0	110	31
77.5	104		167.5	108	
80.0	99		170.0	106	
82.5	95		172.5	103	
85.0	91	99	175.0	100	10
87.5	86		177.5	98	
90.0	83		180.0	97	



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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	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	96	91	85	81	89	84	80	76	72	69	65	61	58	56	51	49	47	42
2	86	77	70	63	80	72	65	59	61	56	52	52	48	44	43	40	37	33
3	78	67	58	51	72	62	54	48	53	47	42	45	40	36	37	33	30	26
4	71	59	49	43	65	54	46	40	47	40	35	39	34	30	32	28	25	22
5	65	52	43	36	60	48	40	34	41	35	29	35	30	25	29	25	21	18
6	60	46	37	31	55	43	35	29	37	30	25	31	26	22	26	22	18	15
7	55	41	33	27	51	39	31	25	33	27	22	28	23	19	24	19	16	13
8	51	37	29	23	47	35	27	22	30	24	19	26	21	17	21	17	14	12
9	47	34	26	21	44	32	24	19	28	21	17	24	18	15	20	16	13	10
10	44	31	23	18	41	29	22	17	25	19	15	22	17	13	18	14	11	9

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	4.6	9.44	9.44
8.0	2.6	12.58	12.58
10.0	1.7	15.73	15.73
12.0	1.1	18.87	18.87
14.0	0.8	22.02	22.02
16.0	0.6	25.16	25.16



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**Test Distance** 9.5 m  
**Test Temperature** 24.6 °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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