



# Report of Test

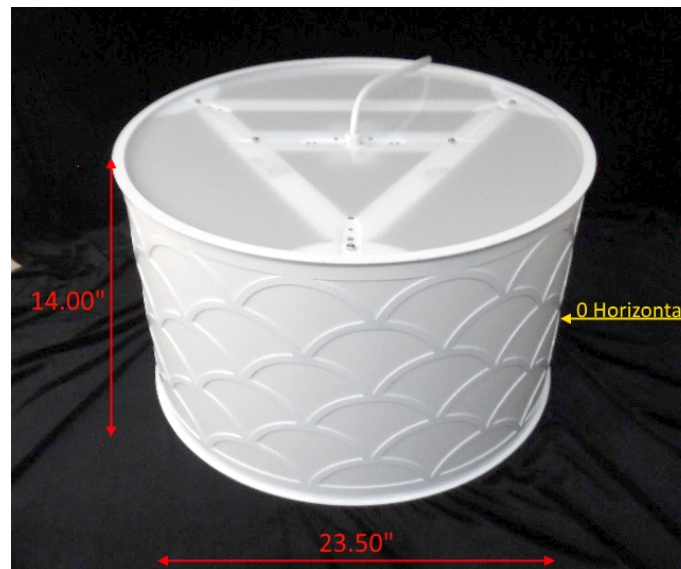
## LLIA000901-060

Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)



### Performance Summary

Total Light Output	4531 lm
Luminaire Power	71.7 W
Luminous Efficacy	63.2 lm/W

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



**Test Report No. LLIA000901-060**

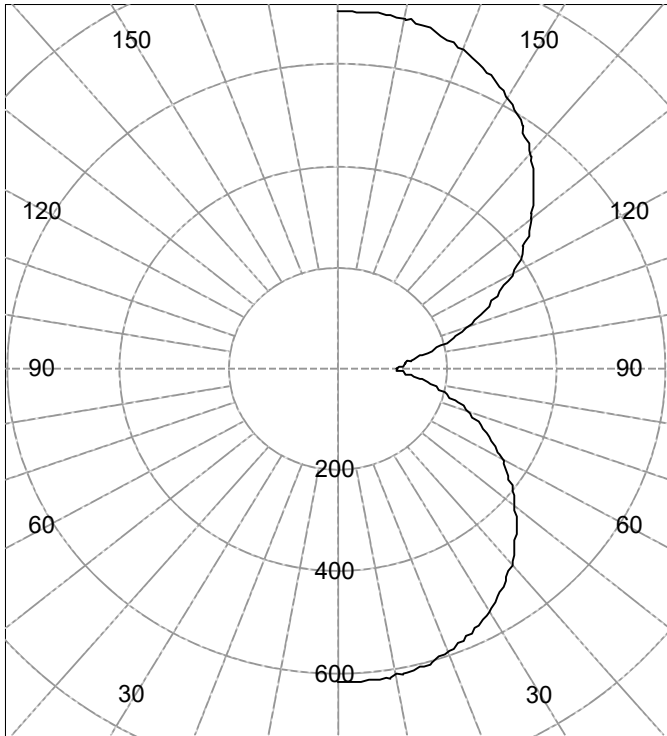
Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)

Legend: All planes - Black (cd)



(Rotational symmetry)

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

Gamma	C0
45.0	1318
55.0	1141
65.0	961
75.0	770
85.0	562

**INTENSITY SUMMARY (cd)**

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	618		90	106	
5	617	59	95	124	138
10	613		100	157	
15	605	171	105	205	218
20	592		110	258	
25	574	265	115	311	308
30	551		120	363	
35	524	328	125	414	370
40	493		130	461	
45	459	354	135	505	390
50	422		140	546	
55	382	342	145	583	365
60	341		150	616	
65	299	296	155	644	297
70	256		160	667	
75	214	226	165	685	193
80	172		170	696	
85	133	146	175	701	67
90	106		180	703	

**ZONAL FLUX AND PERCENTAGES**

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	494	N / A	10.9
0-40	822	N / A	18.2
0-60	1518	N / A	33.5
0-90	2186	N / A	48.2
40-90	1364	N / A	30.1
60-90	668	N / A	14.7
90-180	2345	N / A	51.8
0-180	4531	N / A	100.0

Total Light Output = 4,531 lm

Spacing Criterion: 0-180 1.3  
Spacing Criterion: 90-270 1.3

Signed:

Authorized Signatory

Date of test 9-Apr-2018  
Date of report 10-Apr-2018



**Test Report No. LLIA000901-060**

Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)

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

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	618		90.0	106	
2.5	617		92.5	114	
5.0	617	59	95.0	124	138
7.5	616		97.5	138	
10.0	613		100.0	157	
12.5	610		102.5	180	
15.0	605	171	105.0	205	218
17.5	599		107.5	232	
20.0	592		110.0	258	
22.5	583		112.5	285	
25.0	574	265	115.0	311	308
27.5	563		117.5	337	
30.0	551		120.0	363	
32.5	538		122.5	389	
35.0	524	328	125.0	414	370
37.5	509		127.5	437	
40.0	493		130.0	461	
42.5	477		132.5	483	
45.0	459	354	135.0	505	390
47.5	441		137.5	526	
50.0	422		140.0	546	
52.5	402		142.5	565	
55.0	382	342	145.0	583	365
57.5	362		147.5	600	
60.0	341		150.0	616	
62.5	320		152.5	630	
65.0	299	296	155.0	644	297
67.5	278		157.5	656	
70.0	256		160.0	667	
72.5	235		162.5	677	
75.0	214	226	165.0	685	193
77.5	193		167.5	691	
80.0	172		170.0	696	
82.5	152		172.5	699	
85.0	133	146	175.0	701	67
87.5	112		177.5	702	
90.0	106		180.0	703	



**Test Number: LLIA000901-060**

Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)

**Coefficients Of Utilization - Zonal Cavity Method**

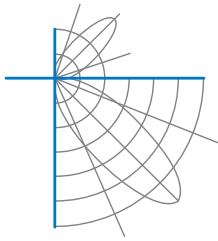
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48	
1	96	91	87	83	88	84	80	77	70	67	65	58	56	54	46	45	43	38	
2	87	79	72	66	79	72	67	62	61	56	52	50	46	44	40	37	35	30	
3	79	69	61	55	72	63	56	51	53	48	43	43	40	36	35	32	29	25	
4	72	60	52	46	66	56	48	43	47	41	37	38	34	31	31	28	25	21	
5	66	54	45	39	60	49	42	36	42	36	31	34	30	26	27	24	21	18	
6	60	48	39	33	55	44	37	31	37	31	27	31	26	23	25	21	19	16	
7	56	43	35	29	51	40	32	27	34	28	24	28	23	20	23	19	16	14	
8	52	39	31	26	47	36	29	24	31	25	21	25	21	18	21	17	15	12	
9	48	36	28	23	44	33	26	21	28	22	19	23	19	16	19	16	13	11	
10	45	33	25	20	41	30	23	19	26	20	17	22	17	14	18	14	12	10	

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	17.2	7.94	7.94
8.0	9.7	10.58	10.58
10.0	6.2	13.23	13.23
12.0	4.3	15.88	15.88
14.0	3.2	18.52	18.52
16.0	2.4	21.17	21.17



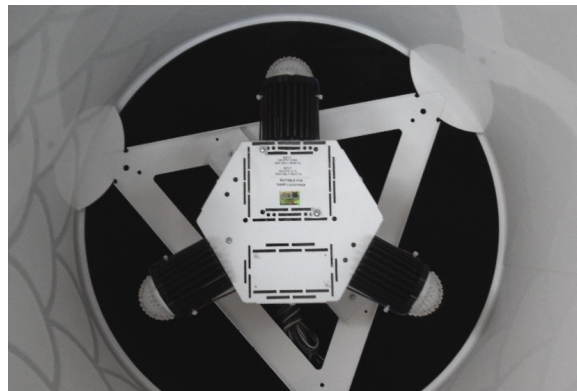
**Test Report No. LLIA000901-060**

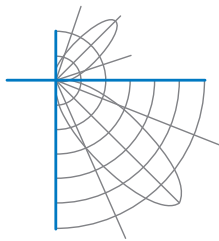
Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)





**Test Report No. LLIA000901-060**

Catalog Number: P62301\_X/F11/D61/L413

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

Three white LED modules with clear patterned hemispherical lenses below.

One ERP ESP050W-1200-42 LED driver and one ERP ESS030W-0620-42 LED driver  
120.0Vac, 60.00Hz, 0.6067A, 71.73W, 0.985PF, 11.5%THD(i)

**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.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.