



Report of Test

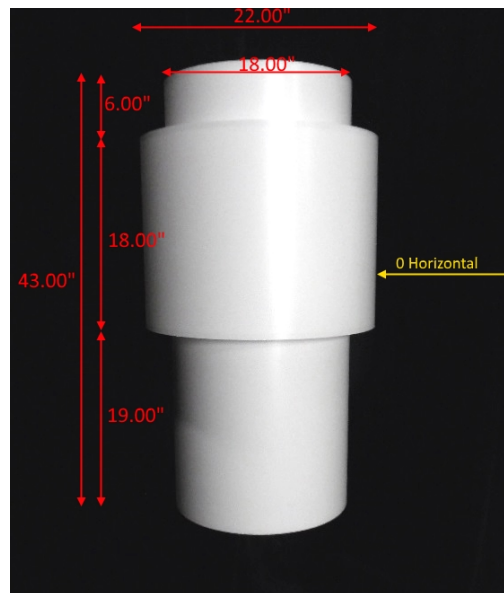
LLIA000901-045

Catalog Number: P5542/F11/D61/L413

Pendant mounted, formed white enamel steel and aluminum housing, white "lumenate" outer enclosure with translucent white plastic top and bottom enclosures.

Three white LED modules with clear patterned hemispherical lenses.

One ERP ESP050W-1200-42 and one ERP ESS030W-0620-42 LED drivers
120.0Vac, 60.00Hz, 0.6016A, 71.07W, 0.984PF, 11.2%THD(i)



Performance Summary

Total Light Output	3902 lm
Luminaire Power	71.1 W
Luminous Efficacy	54.9 lm/W

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



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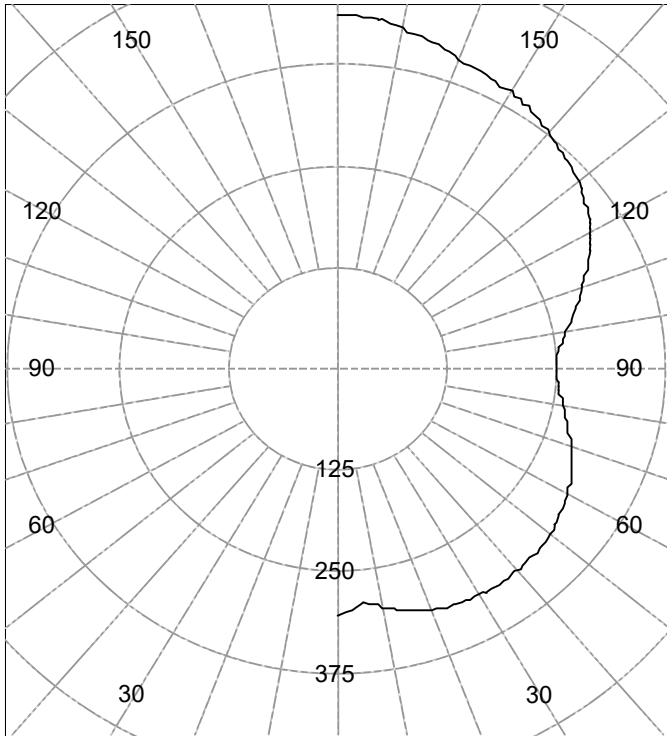
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Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	292
55.0	298
65.0	308
75.0	325
85.0	365

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	302		90	249	
5	290	28	95	251	276
10	297		100	264	
15	307	87	105	280	296
20	315		110	297	
25	319	148	115	314	312
30	321		120	332	
35	322	202	125	346	310
40	321		130	358	
45	319	247	135	367	284
50	315		140	376	
55	309	277	145	385	241
60	302		150	393	
65	292	290	155	399	184
70	282		160	405	
75	270	286	165	415	117
80	260		170	425	
85	252	276	175	431	41
90	249		180	435	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	263	N / A	6.7
0-40	465	N / A	11.9
0-60	989	N / A	25.3
0-90	1840	N / A	47.2
40-90	1376	N / A	35.2
60-90	852	N / A	21.8
90-180	2062	N / A	52.8
0-180	3902	N / A	100.0

Total Light Output = 3,902 lm

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

Signed:

Authorized Signatory

Date of test 26-Feb-2018
Date of report 2-Mar-2018



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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	302		90.0	249	
2.5	300		92.5	249	
5.0	290	28	95.0	251	276
7.5	292		97.5	257	
10.0	297		100.0	264	
12.5	302		102.5	271	
15.0	307	87	105.0	280	296
17.5	311		107.5	288	
20.0	315		110.0	297	
22.5	317		112.5	306	
25.0	319	148	115.0	314	312
27.5	320		117.5	323	
30.0	321		120.0	332	
32.5	322		122.5	339	
35.0	322	202	125.0	346	310
37.5	322		127.5	352	
40.0	321		130.0	358	
42.5	320		132.5	363	
45.0	319	247	135.0	367	284
47.5	317		137.5	371	
50.0	315		140.0	376	
52.5	313		142.5	380	
55.0	309	277	145.0	385	241
57.5	306		147.5	389	
60.0	302		150.0	393	
62.5	297		152.5	396	
65.0	292	290	155.0	399	184
67.5	287		157.5	402	
70.0	282		160.0	405	
72.5	276		162.5	410	
75.0	270	286	165.0	415	117
77.5	265		167.5	420	
80.0	260		170.0	425	
82.5	255		172.5	428	
85.0	252	276	175.0	431	41
87.5	250		177.5	434	
90.0	249		180.0	435	



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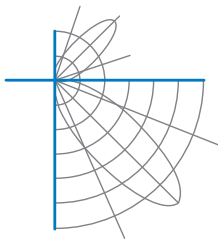
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	94	88	83	78	85	80	76	72	66	63	60	54	51	49	42	40	38	33
2	84	75	67	61	76	68	62	56	56	51	47	45	41	38	35	32	30	25
3	76	65	56	49	69	59	52	45	49	43	38	39	34	31	30	27	24	19
4	69	57	48	41	62	52	44	38	43	36	31	34	29	25	26	23	20	16
5	63	50	41	34	57	46	38	32	38	31	26	30	25	21	23	19	17	13
6	58	44	36	29	52	41	33	27	34	27	23	27	22	18	21	17	14	11
7	53	40	31	25	48	37	29	23	30	24	20	24	19	16	19	15	12	10
8	49	36	28	22	45	33	26	20	27	21	17	22	17	14	17	14	11	8
9	46	33	25	19	42	30	23	18	25	19	15	20	16	12	16	12	10	7
10	43	30	22	17	39	27	21	16	23	17	13	19	14	11	15	11	9	6

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.

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	8.4	9.72	9.72
8.0	4.7	12.96	12.96
10.0	3.0	16.20	16.20
12.0	2.1	19.44	19.44
14.0	1.5	22.68	22.68
16.0	1.2	25.92	25.92



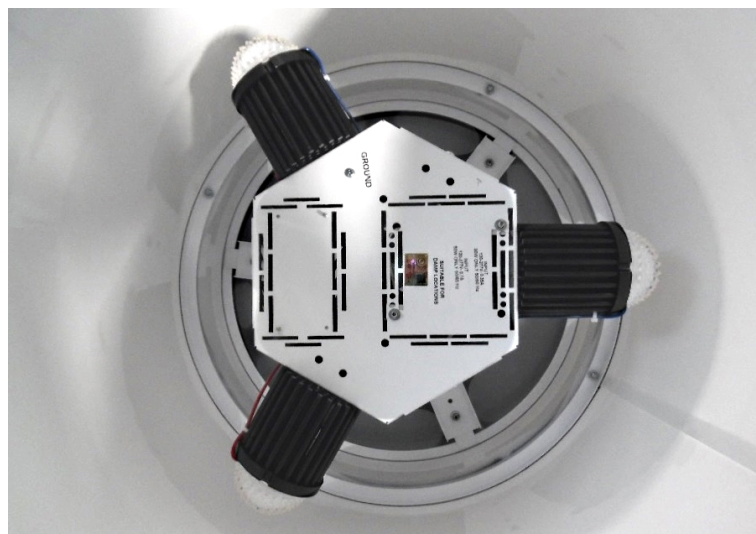
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Test Distance 9.5 m
Test Temperature 25.2 °C

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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