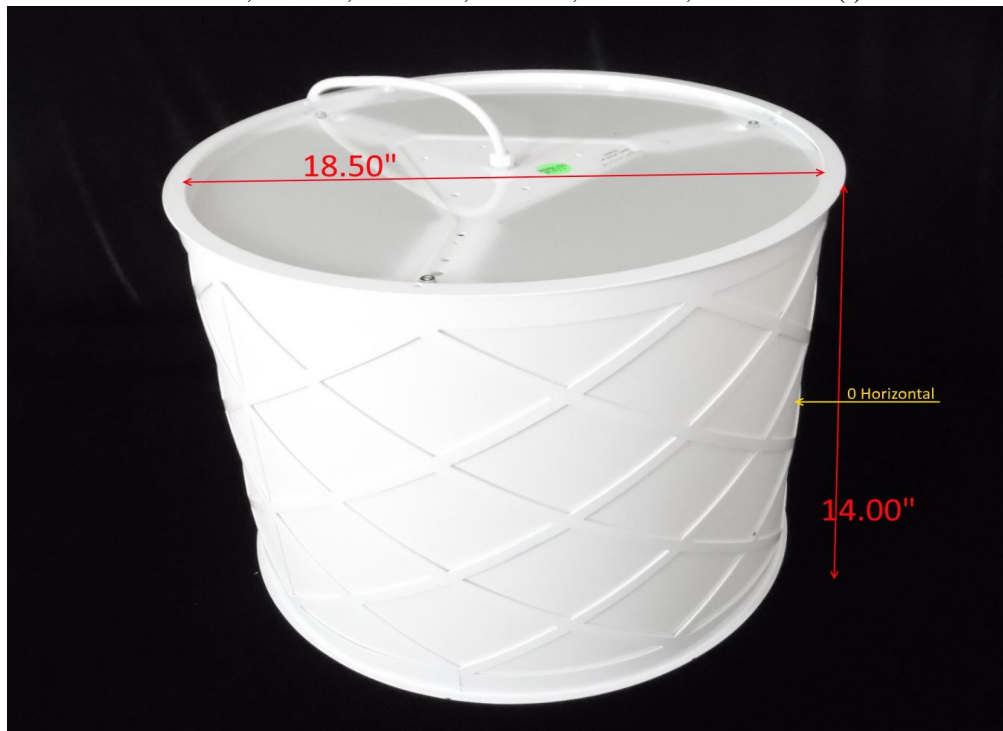


Report of Test

LLIA000550-010

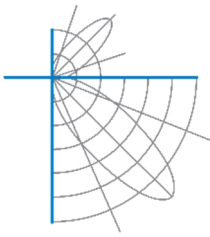
Catalog Number: P61801/F11/D61/L402 18" Drum Pendant
Pendant mounted, welded steel housing with white "lumenate" diffuser, translucent etched white acrylic bottom enclosure and translucent white acrylic top enclosure
One Xicato XTM19803530CCA LED with white plastic globe enclosure
One Inventronics EUC-026S070DS LED driver
120.0Vac, 60.0Hz, 0.1918A, 22.46W, 0.976PF, 6.91%THD(i)



Performance Summary

Total Light Output	1380 lm
Luminaire Power	22.5 W
Luminous Efficacy	61.3 lm/W

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



Test Report No. LLIA000550-010

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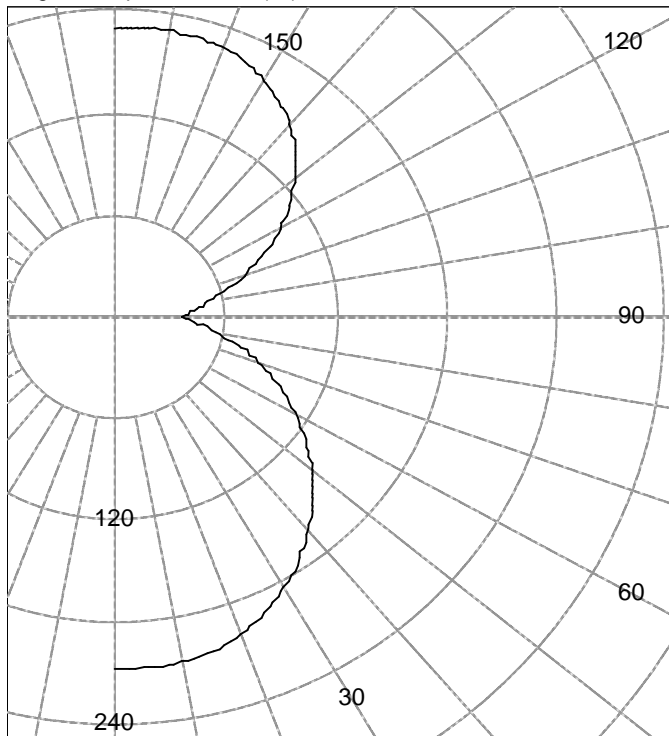
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	630
55.0	534
65.0	440
75.0	345
85.0	247

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	208		90	36	
5	208	20	95	43	47
10	207		100	51	
15	204	58	105	64	67
20	199		110	77	
25	193	89	115	90	89
30	184		120	103	
35	175	109	125	116	104
40	164		130	128	
45	152	117	135	138	107
50	139		140	148	
55	126	113	145	155	97
60	113		150	162	
65	99	98	155	166	77
70	85		160	169	
75	71	75	165	171	48
80	58		170	171	
85	45	49	175	170	16
90	36		180	170	

ZONAL FLUX AND PERCENTAGES

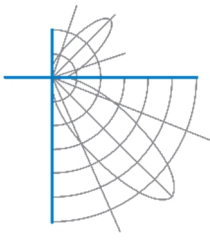
Zone	Flux (lm)	%Lamp	%Luminaire
0-30	166	N / A	12.0
0-40	276	N / A	20.0
0-60	506	N / A	36.6
0-90	728	N / A	52.8
40-90	453	N / A	32.8
60-90	223	N / A	16.1
90-180	652	N / A	47.2
0-180	1380	N / A	100.0

Total Light Output = 1,380 lm

Signed:

Michael L. Grather
Authorized Signatory

Date of test 24-Mar-2016
Date of report 1-Apr-2016



Test Report No. LLIA000550-010

Catalog Number: P61801/F11/D61/L402 18" Drum Pendant

Pendant mounted, welded steel housing with white "lumenate" diffuser, translucent etched white acrylic bottom enclosure and translucent white acrylic top enclosure

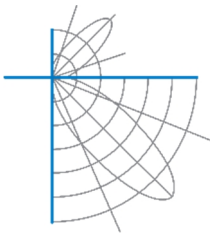
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120.0Vac, 60.0Hz, 0.1918A, 22.46W, 0.976PF, 6.91%THD(i)

Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	208		90.0	36	
2.5	208		92.5	39	
5.0	208	20	95.0	43	
7.5	208		97.5	47	47
10.0	207		100.0	51	
12.5	206		102.5	57	
15.0	204	58	105.0	64	
17.5	202		107.5	70	67
20.0	199		110.0	77	
22.5	196		112.5	83	
25.0	193	89	115.0	90	
27.5	189		117.5	97	89
30.0	184		120.0	103	
32.5	180		122.5	110	
35.0	175	109	125.0	116	
37.5	169		127.5	122	104
40.0	164		130.0	128	
42.5	158		132.5	133	
45.0	152	117	135.0	138	
47.5	146		137.5	143	107
50.0	139		140.0	148	
52.5	133		142.5	152	
55.0	126	113	145.0	155	
57.5	120		147.5	159	97
60.0	113		150.0	162	
62.5	106		152.5	164	
65.0	99	98	155.0	166	
67.5	92		157.5	168	77
70.0	85		160.0	169	
72.5	78		162.5	170	
75.0	71	75	165.0	171	
77.5	64		167.5	171	48
80.0	58		170.0	171	
82.5	51		172.5	170	
85.0	45	49	175.0	170	
87.5	39		177.5	170	16
90.0	36		180.0	170	



Test Number: LLIA000550-010

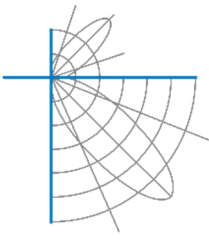
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	97	92	87	83	89	85	81	78	72	69	67	60	58	56	49	48	46	41
2	88	79	73	67	81	73	67	62	62	58	54	52	49	46	43	40	38	33
3	80	69	61	55	73	64	57	51	54	49	45	46	41	38	37	34	32	28
4	72	61	52	46	67	56	49	43	48	42	38	40	36	32	33	30	27	23
5	66	54	45	39	61	50	42	37	43	37	32	36	31	28	30	26	23	20
6	61	48	40	34	56	45	37	32	38	32	28	32	28	24	27	23	20	17
7	56	44	35	29	52	40	33	28	35	29	24	29	25	21	24	21	18	15
8	52	39	31	26	48	37	29	24	32	26	21	27	22	19	22	19	16	13
9	49	36	28	23	45	34	26	22	29	23	19	25	20	17	20	17	14	12
10	45	33	25	20	42	31	24	19	27	21	17	23	18	15	19	15	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.

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	5.8	7.88	7.88
8.0	3.3	10.50	10.50
10.0	2.1	13.13	13.13
12.0	1.4	15.75	15.75
14.0	1.1	18.38	18.38
16.0	0.8	21.00	21.00



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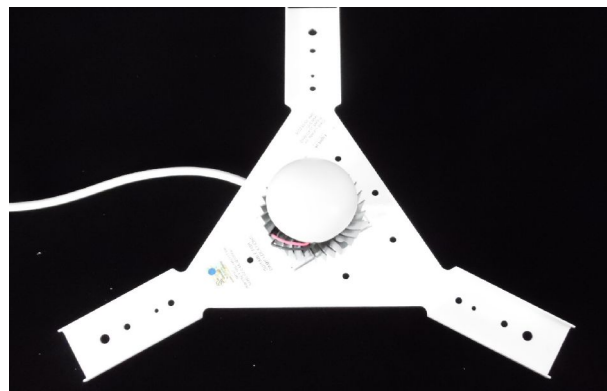
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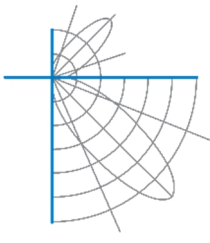
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Test Distance 9.5 m
Test Temperature 24.6 °C

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 C78.377:2011, ANSI C82.77:2002.

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.