

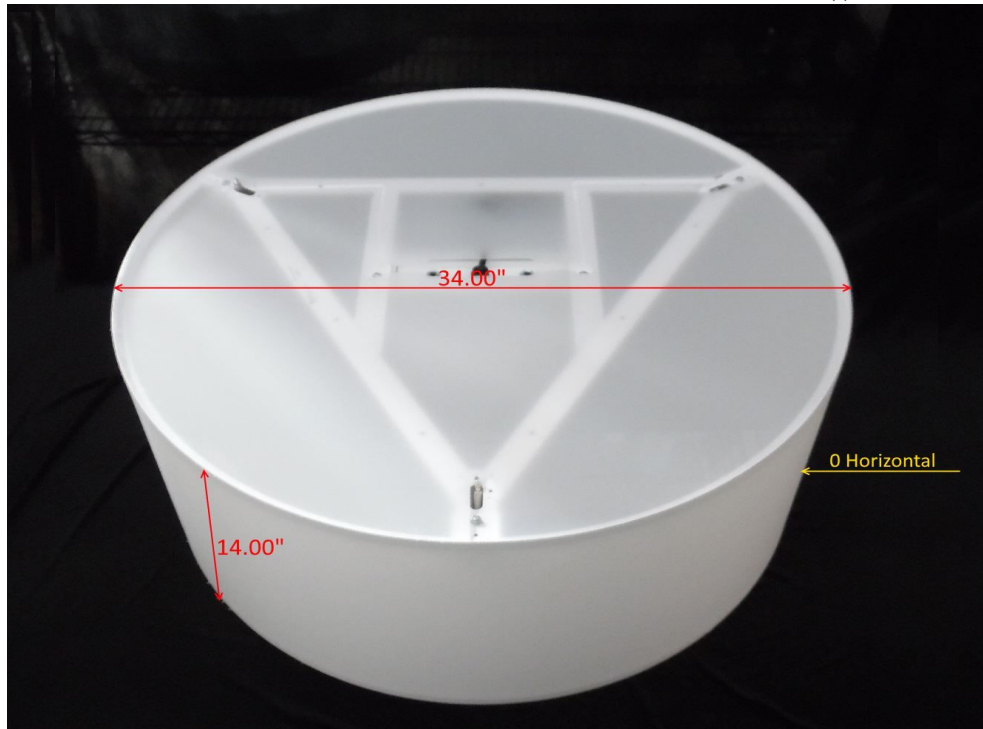
Report of Test

LLIA000550-006

Catalog Number: P53414/F11/D61/L404 34" Drum Pendant

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

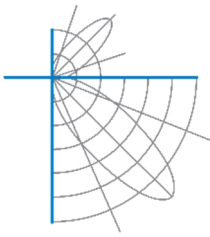
Three Xicato XTM19803530CCA LEDs with white plastic globe enclosures. Each LED is rated at 18.9W, 700mA, 2100 lumens. One Inventronics EUC-075S210DT LED driver 120.0Vac, 60.0Hz, 0.5360A, 63.91W, 0.994PF, 5.85%THD(i)



Performance Summary

Total Light Output	4357 lm
Luminaire Power	63.9 W
Luminous Efficacy	68.2 lm/W

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



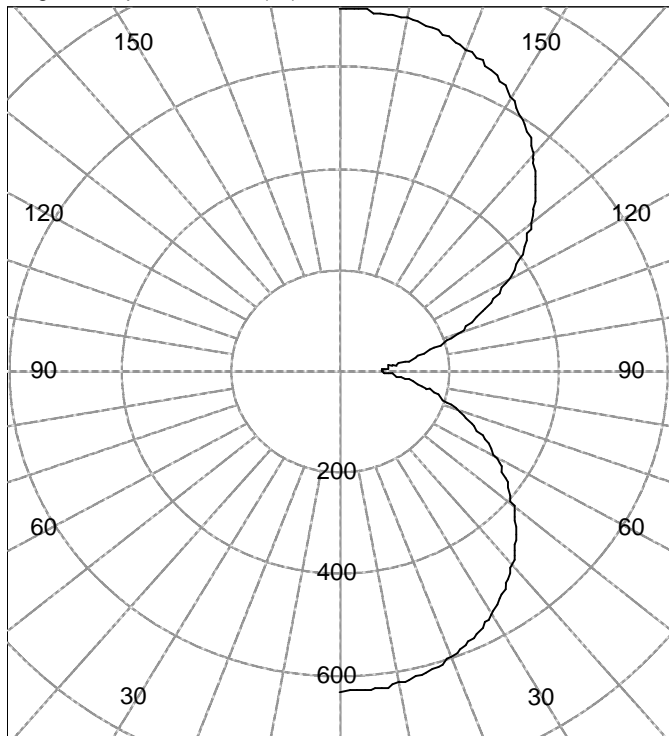
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	715
55.0	626
65.0	528
75.0	417
85.0	288

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	631		90	77	
5	629	60	95	89	102
10	623		100	128	
15	613	173	105	180	191
20	597		110	237	
25	577	266	115	294	291
30	552		120	350	
35	523	327	125	404	361
40	489		130	456	
45	452	349	135	504	389
50	411		140	549	
55	368	329	145	589	368
60	323		150	624	
65	278	275	155	653	301
70	232		160	675	
75	187	198	165	691	195
80	144		170	702	
85	103	114	175	708	67
90	77		180	711	

ZONAL FLUX AND PERCENTAGES

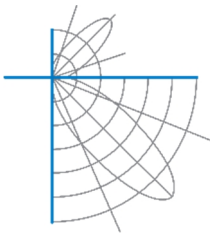
Zone	Flux (lm)	%Lamp	%Luminaire
0-30	499	N / A	11.5
0-40	826	N / A	19.0
0-60	1504	N / A	34.5
0-90	2091	N / A	48.0
40-90	1265	N / A	29.0
60-90	587	N / A	13.5
90-180	2266	N / A	52.0
0-180	4357	N / A	100.0

Total Light Output = 4,357 lm

Signed:

Michael L. Grather
Authorized Signatory

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



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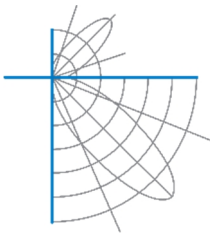
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120.0Vac, 60.0Hz, 0.5360A, 63.91W, 0.994PF, 5.85% THD(i)

Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	631		90.0	77	
2.5	630		92.5	78	
5.0	629	60	95.0	89	
7.5	627		97.5	106	102
10.0	623		100.0	128	
12.5	619		102.5	153	
15.0	613	173	105.0	180	
17.5	606		107.5	208	191
20.0	597		110.0	237	
22.5	588		112.5	265	
25.0	577	266	115.0	294	
27.5	565		117.5	322	291
30.0	552		120.0	350	
32.5	538		122.5	378	
35.0	523	327	125.0	404	
37.5	506		127.5	430	361
40.0	489		130.0	456	
42.5	471		132.5	480	
45.0	452	349	135.0	504	
47.5	432		137.5	527	389
50.0	411		140.0	549	
52.5	390		142.5	569	
55.0	368	329	145.0	589	
57.5	346		147.5	607	368
60.0	323		150.0	624	
62.5	301		152.5	639	
65.0	278	275	155.0	653	
67.5	255		157.5	665	301
70.0	232		160.0	675	
72.5	210		162.5	684	
75.0	187	198	165.0	691	
77.5	165		167.5	697	195
80.0	144		170.0	702	
82.5	123		172.5	706	
85.0	103	114	175.0	708	
87.5	85		177.5	710	67
90.0	77		180.0	711	



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Coefficients Of Utilization - Zonal Cavity Method

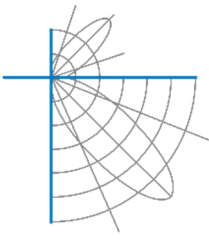
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	96	91	87	83	88	84	80	77	70	68	65	58	56	54	46	45	44	38
2	87	79	73	67	80	73	67	62	61	57	53	50	47	44	40	38	36	31
3	79	69	62	55	72	64	57	52	53	48	44	44	40	37	35	32	30	26
4	72	61	53	46	66	56	49	43	47	42	37	39	35	31	31	28	26	22
5	66	54	46	40	60	50	43	37	42	36	32	35	30	27	28	25	22	19
6	61	48	40	34	56	45	37	32	38	32	28	31	27	23	25	22	19	16
7	56	44	35	30	51	40	33	28	34	28	24	28	24	21	23	20	17	14
8	52	39	32	26	48	37	29	24	31	25	21	26	21	18	21	18	15	13
9	48	36	28	23	44	33	26	22	28	23	19	24	19	16	19	16	14	11
10	45	33	26	21	41	31	24	19	26	21	17	22	18	15	18	15	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	17.5	7.80	7.80
8.0	9.9	10.40	10.40
10.0	6.3	13.00	13.00
12.0	4.4	15.60	15.60
14.0	3.2	18.20	18.20
16.0	2.5	20.80	20.80

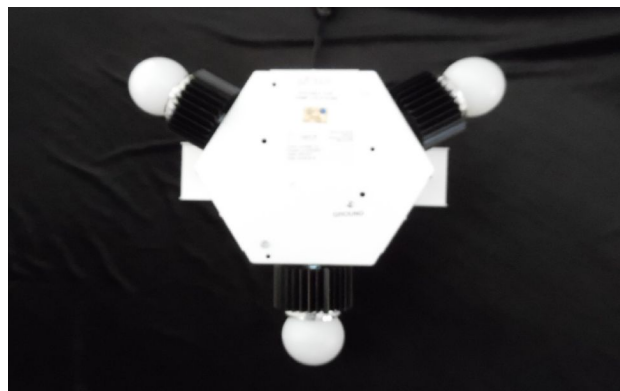


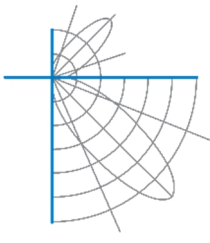
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Test Distance 9.5 m
Test Temperature 24.6 °C

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.

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