

Report of Test

LLIA000550-009

Catalog Number: P56017 60" Drum Pendant

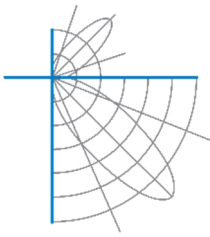
Pendant mounted, welded steel/aluminum housing with white "lumenate" diffuser, translucent etched white acrylic bottom enclosure and translucent white acrylic top enclosure
Six Xicato XTM19803530CCA LEDs with white plastic globe enclosures. Each LED is rated at 18.9W, 700mA, 2100 lumens. Two Inventronics EUC-075S210DT LED drivers
120.0Vac, 60.0Hz, 1.087A, 129.68W, 0.995PF, 5.97%THD(i)



Performance Summary

Total Light Output	9200 lm
Luminaire Power	129.7 W
Luminous Efficacy	70.9 lm/W

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

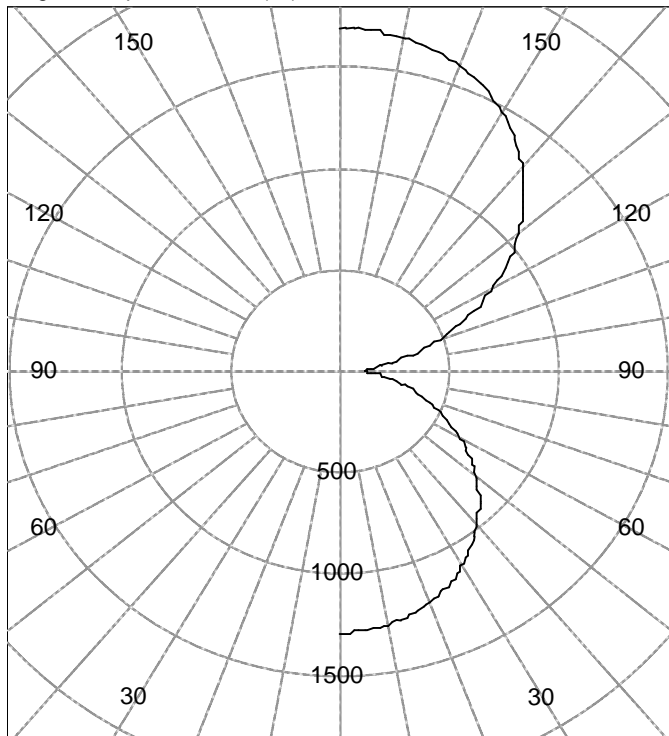


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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	510
55.0	452
65.0	385
75.0	304
85.0	199

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	1285		90	114	
5	1280	122	95	143	169
10	1265		100	240	
15	1241	351	105	369	391
20	1208		110	510	
25	1164	536	115	653	646
30	1109		120	793	
35	1046	654	125	930	831
40	974		130	1059	
45	895	690	135	1179	909
50	808		140	1290	
55	717	641	145	1387	868
60	623		150	1472	
65	527	522	155	1541	710
70	431		160	1596	
75	337	356	165	1636	462
80	247		170	1663	
85	162	182	175	1679	160
90	114		180	1685	

ZONAL FLUX AND PERCENTAGES

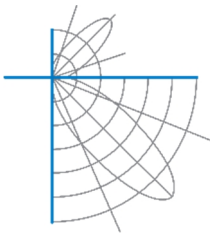
Zone	Flux (lm)	%Lamp	%Luminaire
0-30	1009	N / A	11.0
0-40	1663	N / A	18.1
0-60	2994	N / A	32.5
0-90	4055	N / A	44.1
40-90	2392	N / A	26.0
60-90	1060	N / A	11.5
90-180	5145	N / A	55.9
0-180	9200	N / A	100.0

Total Light Output = 9,200 lm

Signed:

Michael L. Grather
Authorized Signatory

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



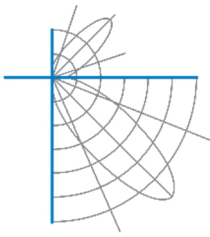
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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	1285		90.0	114	
2.5	1284		92.5	117	
5.0	1280	122	95.0	143	
7.5	1274		97.5	185	169
10.0	1265		100.0	240	
12.5	1255		102.5	302	
15.0	1241	351	105.0	369	
17.5	1226		107.5	439	391
20.0	1208		110.0	510	
22.5	1187		112.5	581	
25.0	1164	536	115.0	653	
27.5	1138		117.5	723	646
30.0	1109		120.0	793	
32.5	1079		122.5	862	
35.0	1046	654	125.0	930	
37.5	1011		127.5	995	831
40.0	974		130.0	1059	
42.5	935		132.5	1120	
45.0	895	690	135.0	1179	
47.5	852		137.5	1236	909
50.0	808		140.0	1290	
52.5	763		142.5	1340	
55.0	717	641	145.0	1387	
57.5	670		147.5	1431	868
60.0	623		150.0	1472	
62.5	575		152.5	1508	
65.0	527	522	155.0	1541	
67.5	479		157.5	1570	710
70.0	431		160.0	1596	
72.5	384		162.5	1618	
75.0	337	356	165.0	1636	
77.5	291		167.5	1651	462
80.0	247		170.0	1663	
82.5	204		172.5	1672	
85.0	162	182	175.0	1679	
87.5	127		177.5	1684	160
90.0	114		180.0	1685	



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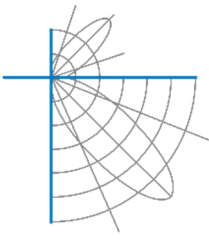
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	96	91	87	83	87	83	80	77	69	66	64	56	54	52	44	42	41	36
2	87	79	73	67	79	72	67	62	60	56	52	48	46	43	38	36	34	29
3	79	69	62	56	72	63	57	52	53	48	44	43	39	36	33	31	29	24
4	72	61	53	47	66	56	49	43	47	41	37	38	34	31	30	27	24	21
5	66	54	46	40	60	50	42	37	41	36	32	34	30	26	26	23	21	18
6	61	48	40	34	55	45	37	32	37	32	27	30	26	23	24	21	18	15
7	56	44	36	30	51	40	33	28	34	28	24	28	23	20	22	19	16	14
8	52	39	32	26	47	36	29	25	31	25	21	25	21	18	20	17	15	12
9	48	36	28	23	44	33	26	22	28	23	19	23	19	16	18	15	13	11
10	45	33	26	21	41	30	24	19	26	20	17	21	17	14	17	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.

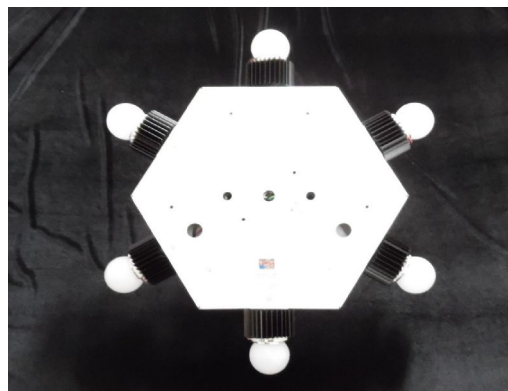
Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	35.7	7.69	7.69
8.0	20.1	10.25	10.25
10.0	12.9	12.82	12.82
12.0	8.9	15.38	15.38
14.0	6.6	17.95	17.95
16.0	5.0	20.51	20.51

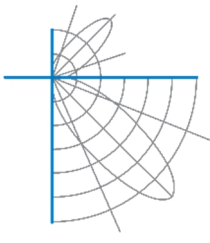


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Test Distance 9.5 m
Test Temperature 24.6 °C

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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