

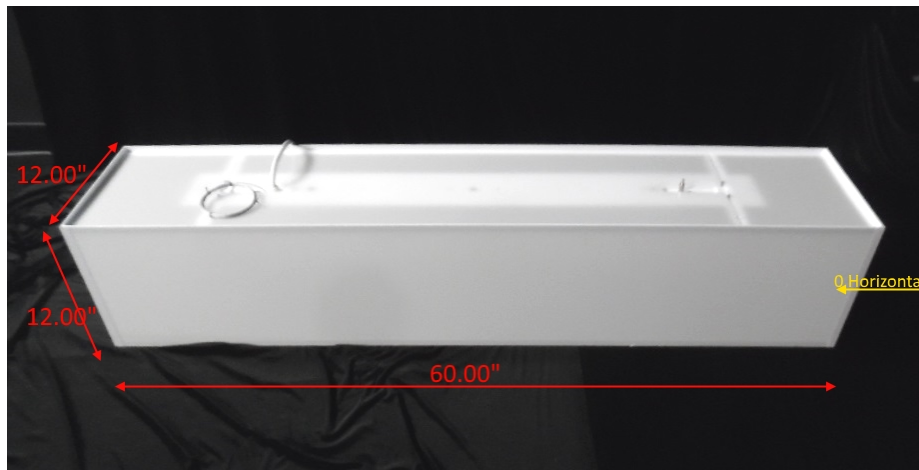


Report of Test

LLIA000901-054

Catalog Number: P1260/F11/D61/L408

Pendant mounted, formed steel canopy, formed aluminum and steel frame,
white "lumenate" diffuser, translucent white plastic top and bottom enclosures.
192 white LEDs, four Samsung Electronics LT-M562C G2 3000K-S49 LED boards with 48 LEDs each.
One Philips Advance Xitanium XI075C200V054BST1 LED driver.
120.0Vac, 60.00Hz, 0.6273A, 75.06W, 0.997PF, 6.8%THD(i)



Performance Summary

Total Light Output	8097 lm
Luminaire Power	75.1 W
Luminous Efficacy	107.8 lm/W

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



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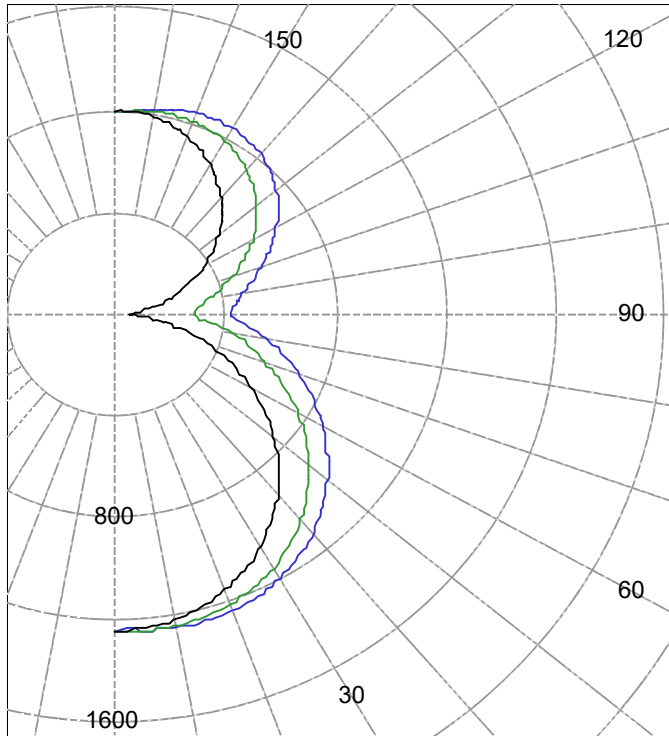
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Legend: C0-Black, C45-Green, C90-Blue (cd)



(Two plane symmetry) C0-C90

INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	1243	1243	1243	1243	1243	
5.0	1236	1242	1247	1247	1246	119
10.0	1220	1233	1244	1250	1251	
15.0	1193	1213	1233	1246	1251	347
20.0	1156	1184	1214	1235	1243	
25.0	1109	1144	1186	1214	1225	544
30.0	1052	1096	1149	1184	1198	
35.0	987	1039	1103	1145	1161	683
40.0	914	974	1048	1097	1116	
45.0	834	902	986	1041	1063	748
50.0	748	823	915	978	1004	
55.0	657	739	839	909	937	734
60.0	563	651	758	834	866	
65.0	468	560	673	760	794	650
70.0	371	468	589	684	720	
75.0	276	378	508	602	637	514
80.0	187	293	423	518	553	
85.0	102	211	340	437	472	350
90.0	49	156	286	383	418	

AVERAGE LUMINANCE (cd / m²)

Gamma	C0	C45	C90
45.0	2115	1622	1618
55.0	1917	1423	1448
65.0	1666	1215	1285
75.0	1315	1013	1118
85.0	764	785	938

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	% Lamp	% Luminaire
0-30	1010	N / A	12.5
0-40	1692	N / A	20.9
0-60	3175	N / A	39.2
0-90	4689	N / A	57.9
40-90	2996	N / A	37.0
60-90	1514	N / A	18.7
90-180	3409	N / A	42.1
0-180	8097	N / A	100.0

Total Light Output = 8,097 lm

Spacing Criterion: 0-180 1.3
Spacing Criterion: 90-270 1.4

Signed:

Authorized Signatory

Date of test 13-Apr-2018
Date of report 13-Apr-2018



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Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	1243	1243	1243	1243	1243
2.5	1241	1245	1245	1243	1240
5.0	1236	1242	1247	1247	1246
7.5	1230	1239	1247	1250	1249
10.0	1220	1233	1244	1250	1251
12.5	1208	1225	1240	1249	1252
15.0	1193	1213	1233	1246	1251
17.5	1176	1200	1225	1241	1248
20.0	1156	1184	1214	1235	1243
22.5	1134	1165	1201	1225	1235
25.0	1109	1144	1186	1214	1225
27.5	1082	1121	1169	1200	1213
30.0	1052	1096	1149	1184	1198
32.5	1021	1069	1128	1165	1181
35.0	987	1039	1103	1145	1161
37.5	952	1008	1077	1122	1140
40.0	914	974	1048	1097	1116
42.5	875	939	1018	1070	1091
45.0	834	902	986	1041	1063
47.5	792	863	951	1010	1034
50.0	748	823	915	978	1004
52.5	703	782	878	944	971
55.0	657	739	839	909	937
57.5	611	696	799	872	902
60.0	563	651	758	834	866
62.5	516	606	716	797	831
65.0	468	560	673	760	794
67.5	419	514	630	721	757
70.0	371	468	589	684	720
72.5	323	423	548	644	679
75.0	276	378	508	602	637
77.5	231	334	466	560	595
80.0	187	293	423	518	553
82.5	144	252	381	477	512
85.0	102	211	340	437	472
87.5	61	170	300	398	433
90.0	49	156	286	383	418



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Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
90.0	49	156	286	383	418
92.5	54	162	290	386	421
95.0	67	173	306	402	436
97.5	88	193	319	416	451
100.0	114	217	340	433	467
102.5	143	246	366	455	488
105.0	174	276	395	482	513
107.5	207	307	425	510	540
110.0	240	339	454	538	567
112.5	272	370	484	566	595
115.0	305	401	514	593	621
117.5	336	430	543	620	647
120.0	367	460	571	646	672
122.5	398	487	598	670	696
125.0	428	514	623	694	718
127.5	458	540	646	716	740
130.0	487	565	667	737	760
132.5	515	589	687	755	779
135.0	542	612	705	771	795
137.5	568	634	723	786	809
140.0	593	654	739	798	820
142.5	616	674	754	809	829
145.0	639	692	767	818	837
147.5	661	709	778	825	843
150.0	681	724	787	830	846
152.5	700	739	795	834	848
155.0	717	752	801	836	848
157.5	733	763	806	836	847
160.0	748	773	809	834	844
162.5	760	782	810	831	839
165.0	771	789	811	827	833
167.5	781	794	811	822	826
170.0	788	798	810	817	819
172.5	794	800	807	811	812
175.0	798	801	804	806	805
177.5	801	802	801	799	797
180.0	799	799	799	799	799



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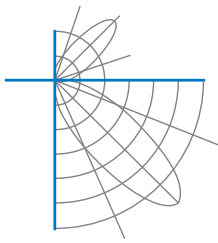
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	98	92	88	83	91	86	82	78	74	71	68	63	61	59	53	51	50	45
2	88	80	73	67	81	74	68	63	64	59	55	54	51	47	45	43	40	36
3	80	69	61	55	74	64	57	51	56	50	45	47	43	39	40	36	33	29
4	73	61	52	46	67	57	49	43	49	43	38	42	37	33	35	31	28	25
5	67	54	45	39	62	50	42	37	44	37	32	37	32	28	31	27	24	21
6	61	48	40	33	57	45	37	31	39	33	28	33	28	24	28	24	21	18
7	57	43	35	29	52	41	33	27	35	29	24	30	25	21	26	22	19	16
8	52	39	31	25	49	37	29	24	32	26	22	28	23	19	23	19	16	14
9	49	36	28	23	45	34	26	21	29	23	19	25	20	17	22	18	15	13
10	46	33	25	20	42	31	24	19	27	21	17	23	19	15	20	16	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	34.5	7.55	8.59
8.0	19.4	10.07	11.46
10.0	12.4	12.59	14.32
12.0	8.6	15.10	17.18
14.0	6.3	17.62	20.05
16.0	4.9	20.14	22.91



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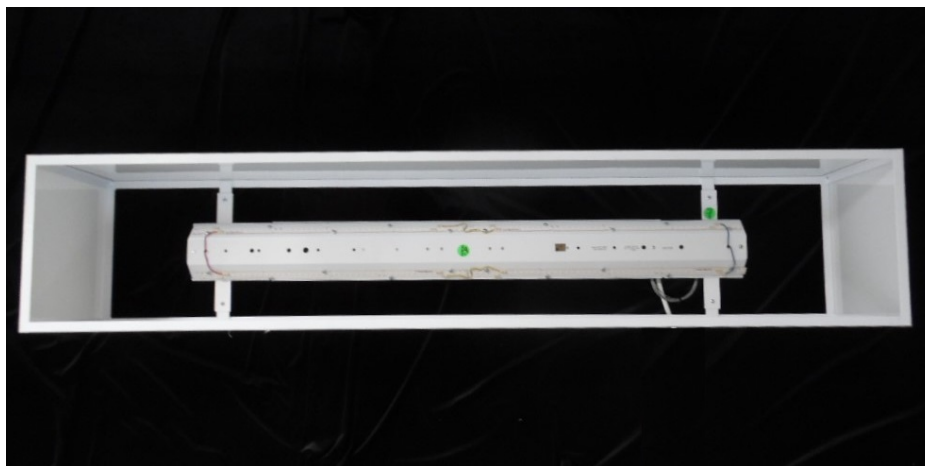
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Test Distance 9.5 m
Test Temperature 25.2 °C

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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