

Report of Test

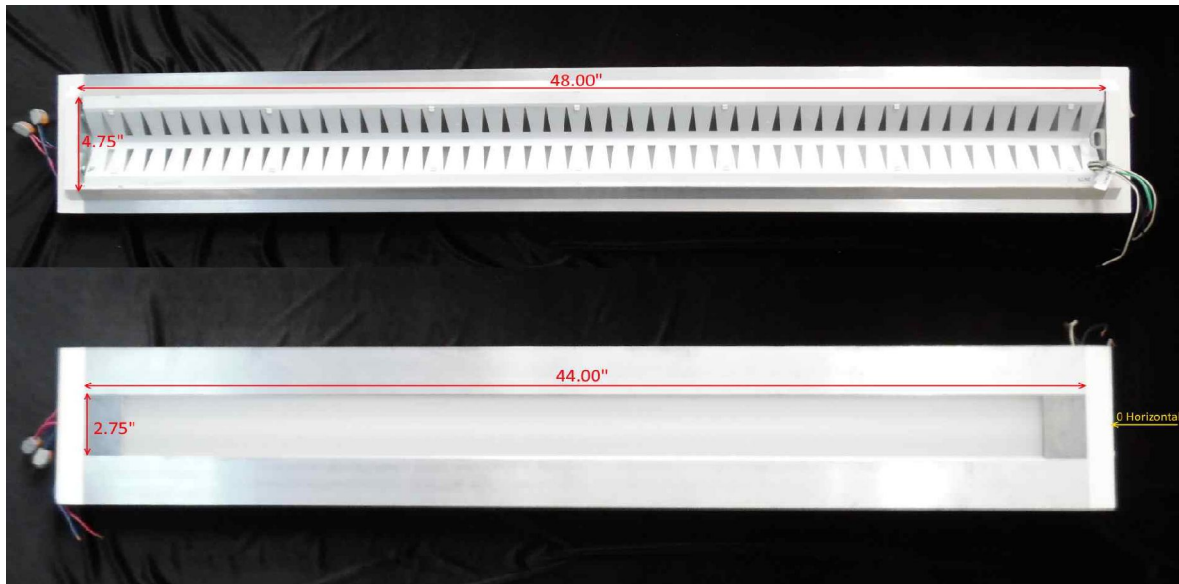
LLIA000537-009

Catalog Number: DXS-I/D-XMO-K40-4-X-OC2/LOH-X-120

Pendant mounted, extruded aluminum housing, 25/75 distribution panel installed on top side of fixture, frosted acrylic lens on bottom side.

240 White LEDs

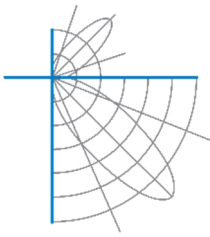
One Osram Optotronic OT30W/PRG1050C/UNV/DIM/L Driver: 2750 558-640 (MO)
120.00Vac, 60.0Hz, 0.2556A, 30.56W, 0.996PF, 5.36%THD(i)



Performance Summary

Total Light Output	3089 lm
Luminaire Power	30.6 W
Luminous Efficacy	100.9 lm/W

PREPARED FOR : Precision Architectural Lighting, 4830 Timber Creek Drive, Houston, TX



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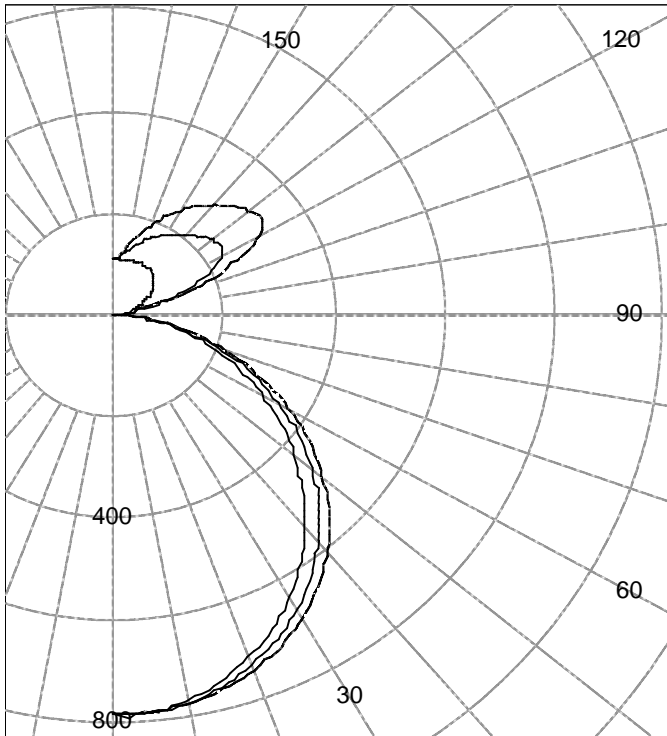
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Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



(Two plane symmetry) C0-C90

INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	788	788	788	788	788	
5.0	784	781	786	787	783	75
10.0	770	768	776	778	776	
15.0	748	748	758	764	762	213
20.0	718	720	735	744	743	
25.0	682	685	704	717	718	323
30.0	640	645	668	684	686	
35.0	592	599	626	644	648	389
40.0	540	549	579	598	603	
45.0	485	496	527	546	552	402
50.0	428	440	470	489	495	
55.0	370	383	409	426	432	362
60.0	311	323	345	360	366	
65.0	251	262	279	292	298	274
70.0	191	199	212	224	229	
75.0	134	139	149	158	161	157
80.0	81	84	90	95	97	
85.0	37	36	37	38	38	43
90.0	0	0	0	1	1	

AVERAGE LUMINANCE (cd / m²)

Gamma	C0	C45	C90
45.0	5070	5506	5773
55.0	4765	5270	5573
65.0	4388	4872	5209
75.0	3821	4255	4602
85.0	3102	3156	3231

ZONAL FLUX AND PERCENTAGES

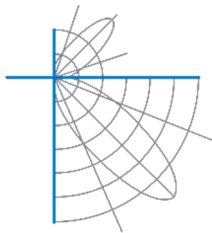
Zone	Flux (lm)	% Lamp	% Luminaire
0-30	611	N / A	19.8
0-40	1000	N / A	32.4
0-60	1764	N / A	57.1
0-90	2238	N / A	72.4
40-90	1237	N / A	40.1
60-90	473	N / A	15.3
90-180	851	N / A	27.6
0-180	3089	N / A	100.0

Total Light Output = 3,089 lm

Signed:

Michael L. Grather
Authorized Signatory

Date of test 8-Feb-2016
Date of report 11-Feb-2016



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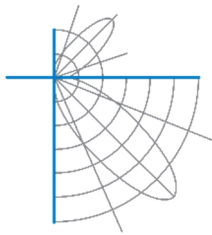
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Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	788	788	788	788	788
2.5	788	784	789	789	785
5.0	784	781	786	787	783
7.5	778	776	782	783	780
10.0	770	768	776	778	776
12.5	760	759	768	772	770
15.0	748	748	758	764	762
17.5	734	735	747	755	753
20.0	718	720	735	744	743
22.5	701	703	720	731	732
25.0	682	685	704	717	718
27.5	662	666	687	701	703
30.0	640	645	668	684	686
32.5	617	622	647	665	668
35.0	592	599	626	644	648
37.5	567	574	603	622	627
40.0	540	549	579	598	603
42.5	513	523	553	573	579
45.0	485	496	527	546	552
47.5	457	468	499	518	524
50.0	428	440	470	489	495
52.5	399	412	440	458	464
55.0	370	383	409	426	432
57.5	340	353	377	394	400
60.0	311	323	345	360	366
62.5	281	293	312	326	332
65.0	251	262	279	292	298
67.5	221	231	245	258	263
70.0	191	199	212	224	229
72.5	162	169	180	191	195
75.0	134	139	149	158	161
77.5	107	111	119	126	129
80.0	81	84	90	95	97
82.5	58	59	63	66	67
85.0	37	36	37	38	38
87.5	17	15	13	12	12
90.0	0	0	0	1	1



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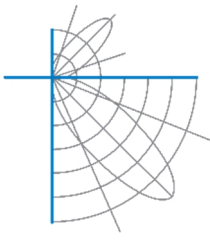
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Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
90.0	0	0	0	1	1
92.5	3	2	1	1	1
95.0	9	12	5	3	3
97.5	16	26	14	10	10
100.0	23	34	34	22	20
102.5	30	43	64	43	37
105.0	36	53	89	82	70
107.5	42	65	110	128	121
110.0	48	77	135	160	168
112.5	54	90	162	190	201
115.0	60	103	188	222	236
117.5	66	116	211	252	270
120.0	72	126	228	276	299
122.5	78	133	236	292	319
125.0	84	139	238	297	328
127.5	89	142	235	295	327
130.0	94	144	230	289	320
132.5	99	145	224	281	312
135.0	103	146	218	273	302
137.5	105	146	213	265	293
140.0	108	146	207	257	283
142.5	109	145	201	248	272
145.0	110	143	195	238	262
147.5	111	141	189	228	250
150.0	111	138	183	218	238
152.5	111	136	176	207	225
155.0	111	133	169	196	213
157.5	111	130	161	186	200
160.0	110	127	153	175	187
162.5	110	124	146	164	174
165.0	110	120	138	153	161
167.5	110	118	131	143	149
170.0	110	115	125	133	137
172.5	110	113	120	124	126
175.0	110	112	115	116	117
177.5	110	111	112	111	112
180.0	110	110	110	110	110



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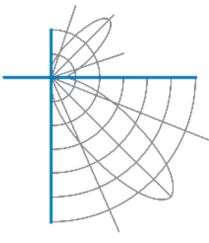
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	68	66	64	61
2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	59	64	59	54	58	54	50	52	49	46	42
4	78	66	58	51	73	63	55	50	57	51	46	52	47	43	47	42	39	36
5	71	59	50	44	67	56	48	43	51	45	40	46	41	37	42	37	34	31
6	66	53	44	38	62	51	43	37	46	40	35	42	36	32	38	33	30	27
7	61	48	40	34	57	46	38	33	42	35	31	38	33	28	35	30	26	24
8	57	44	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	17

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	21.9	7.26	7.76
8.0	12.3	9.68	10.34
10.0	7.9	12.10	12.93
12.0	5.5	14.52	15.52
14.0	4.0	16.94	18.10
16.0	3.1	19.36	20.69



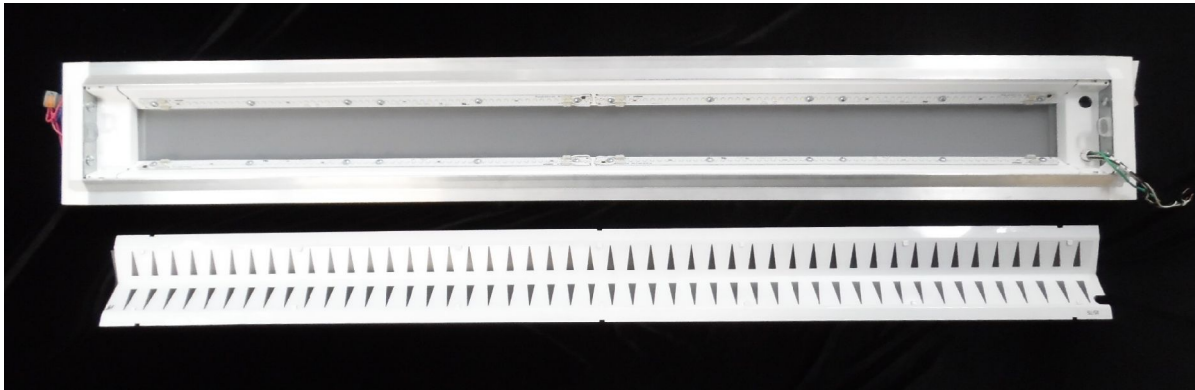
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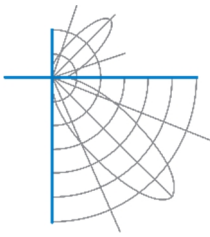
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Test Distance 9.5 m
Test Temperature 24.8 °C

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.