

Report of Test

LLIA000537-011

Catalog Number: DXS-I/D-XMO-K40-4-X-OC0/LOH-X-120

Pendant mounted, extruded aluminum housing, 0/100 distribution panel installed on top side of fixture, frosted acrylic lens on bottom side.

240 White LEDs

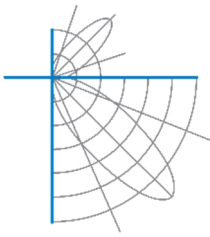
One Osram Optotronic OT30W/PRG1050C/UNV/DIM/L Driver: 2750 558-640 (MO)
120.0Vac, 60.0Hz, 0.2556A, 30.55W, 0.996PF, 5.41%THD(i)



Performance Summary

Total Light Output	3020 lm
Luminaire Power	30.5 W
Luminous Efficacy	99.0 lm/W

EPARED FOR : Precision Architectural Lighting, 4830 Timber Creek Drive, Houston, TX 77017,



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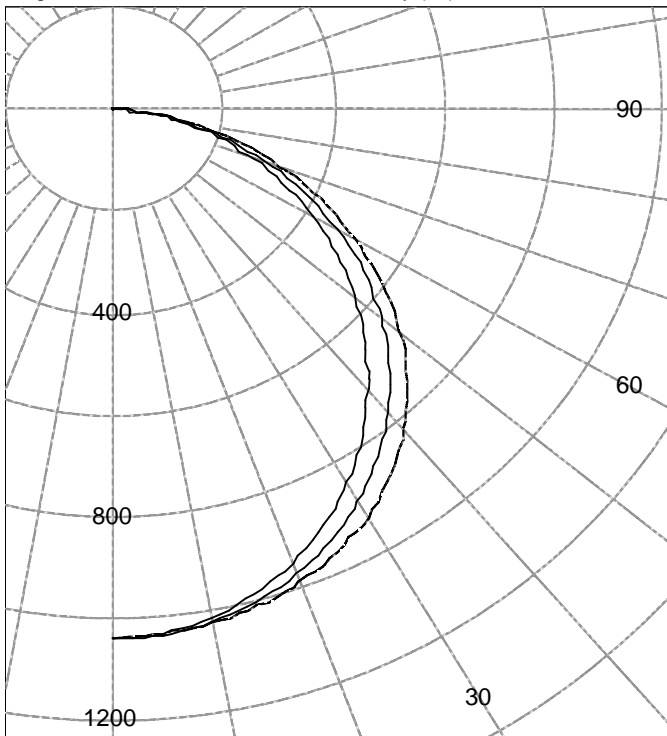
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Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



(Two plane symmetry) C0-C90

INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	1038	1038	1038	1038	1038	
5.0	1033	1030	1036	1037	1033	98
10.0	1015	1014	1023	1027	1025	
15.0	987	988	1002	1011	1010	282
20.0	949	952	973	987	989	
25.0	902	907	935	955	959	429
30.0	847	855	889	914	922	
35.0	786	796	836	865	875	520
40.0	718	732	776	807	819	
45.0	646	663	709	741	754	542
50.0	571	590	635	666	679	
55.0	495	514	554	583	596	491
60.0	417	436	468	495	507	
65.0	338	354	380	404	413	374
70.0	258	270	291	311	318	
75.0	181	189	205	220	225	217
80.0	111	115	125	133	136	
85.0	51	51	52	54	54	59
90.0	0	0	0	0	0	

AVERAGE LUMINANCE (cd / m²)

Gamma	C0	C45	C90
45.0	11671	12809	13621
55.0	11030	12345	13271
65.0	10215	11482	12497
75.0	8960	10127	11104
85.0	7441	7667	7939

ZONAL FLUX AND PERCENTAGES

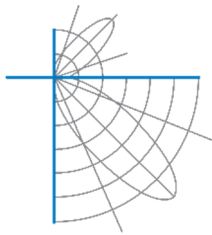
Zone	Flux (lm)	% Lamp	% Luminaire
0-30	810	N / A	26.9
0-40	1330	N / A	44.2
0-60	2363	N / A	78.4
0-90	3013	N / A	100.0
40-90	1683	N / A	55.8
60-90	650	N / A	21.6
90-180	0	N / A	0.0
0-180	3013	N / A	100.0

Total Light Output = 3,013 lm

Signed:

Michael L. Grather
Authorized Signatory

Date of test 4-Feb-2016
Date of report 10-Feb-2016



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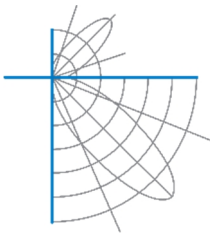
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Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	1038	1038	1038	1038	1038
2.5	1038	1034	1039	1040	1035
5.0	1033	1030	1036	1037	1033
7.5	1026	1023	1031	1033	1030
10.0	1015	1014	1023	1027	1025
12.5	1002	1002	1014	1020	1018
15.0	987	988	1002	1011	1010
17.5	969	971	988	1000	1000
20.0	949	952	973	987	989
22.5	926	931	954	972	975
25.0	902	907	935	955	959
27.5	875	882	913	935	942
30.0	847	855	889	914	922
32.5	817	827	863	891	900
35.0	786	796	836	865	875
37.5	752	765	807	837	848
40.0	718	732	776	807	819
42.5	682	698	743	775	788
45.0	646	663	709	741	754
47.5	609	627	673	704	717
50.0	571	590	635	666	679
52.5	534	553	595	625	638
55.0	495	514	554	583	596
57.5	456	476	512	540	552
60.0	417	436	468	495	507
62.5	378	395	424	449	460
65.0	338	354	380	404	413
67.5	298	312	335	357	366
70.0	258	270	291	311	318
72.5	219	229	248	265	271
75.0	181	189	205	220	225
77.5	145	151	164	176	180
80.0	111	115	125	133	136
82.5	80	82	88	93	94
85.0	51	51	52	54	54
87.5	25	22	19	17	16
90.0	0	0	0	0	0



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Coefficients Of Utilization - Zonal Cavity Method

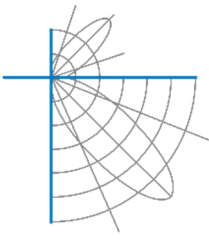
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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	28.8	7.29	7.90
8.0	16.2	9.72	10.54
10.0	10.4	12.15	13.17
12.0	7.2	14.58	15.81
14.0	5.3	17.01	18.44
16.0	4.1	19.44	21.08



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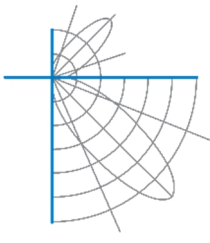
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Test Distance 9.5 m
Test Temperature 24.8 °C

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.