

Report of Test

LLIA001197-005

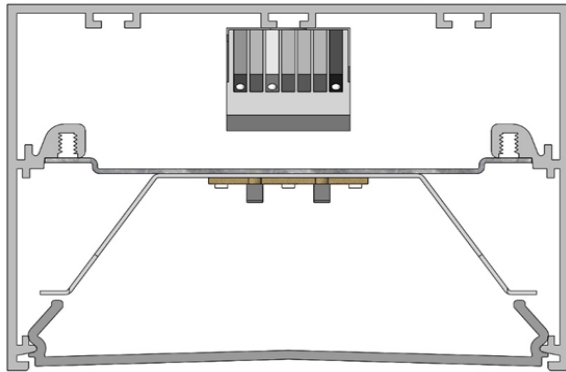
Integrating Sphere Report

Catalog Number: MLS5-D-MO-K35-80-XX-LOH-XXXX-120

Pendant mounted, extruded aluminum housing, formed white enamel aluminum reflector, translucent white plastic enclosure.

144 white LEDs, one Osram PrevaLED BAR

One Osram Optotronic OTi 20/120-277/700 DIM-1 L G2 LED driver labeled as 320mA.



Performance Summary

Voltage	277.0 Vac
Current	0.0726 A
Power	18.98 W
Frequency	59.99 Hz
Power Factor	0.944
Current THD	10.1 %

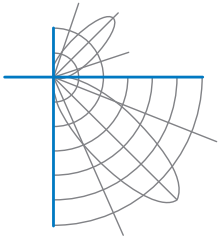
Total Luminous Flux	2264.2 lm
Efficacy	119.3 lm/W
Chromaticity (x,y)	(0.4066, 0.3941)
(u',v')	(0.2352, 0.5129)
Duv	0.0012
CCT	3498 K
CRI (Ra)	82
R9	7
TM-30: Rf	81
TM-30: Rg	98

Prepared For:

Precision Architectural Lighting
4830 Timber Creek Drive
Houston, TX 77017, USA

Test date: 12/05/2019
Report date: 12/09/2019

Signed: _____



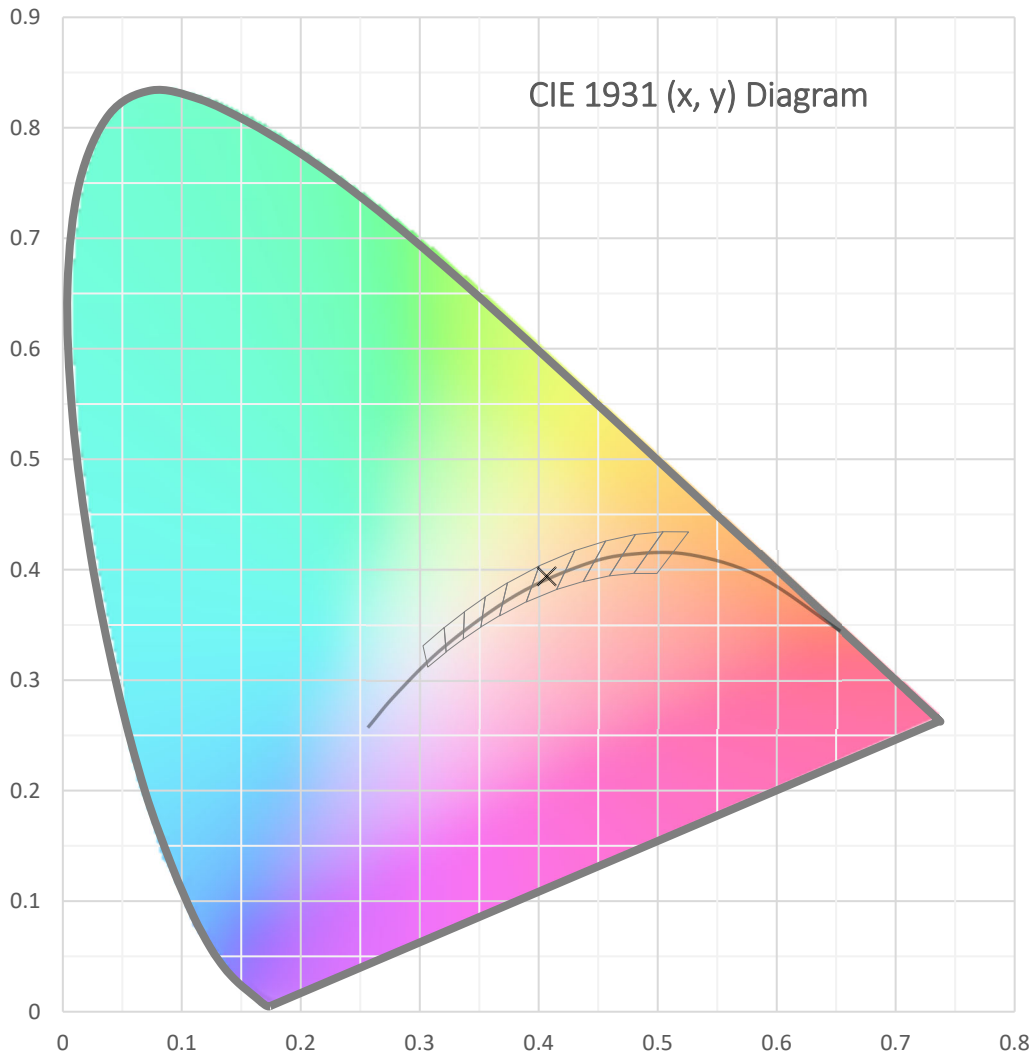
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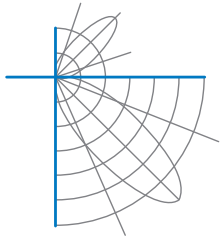
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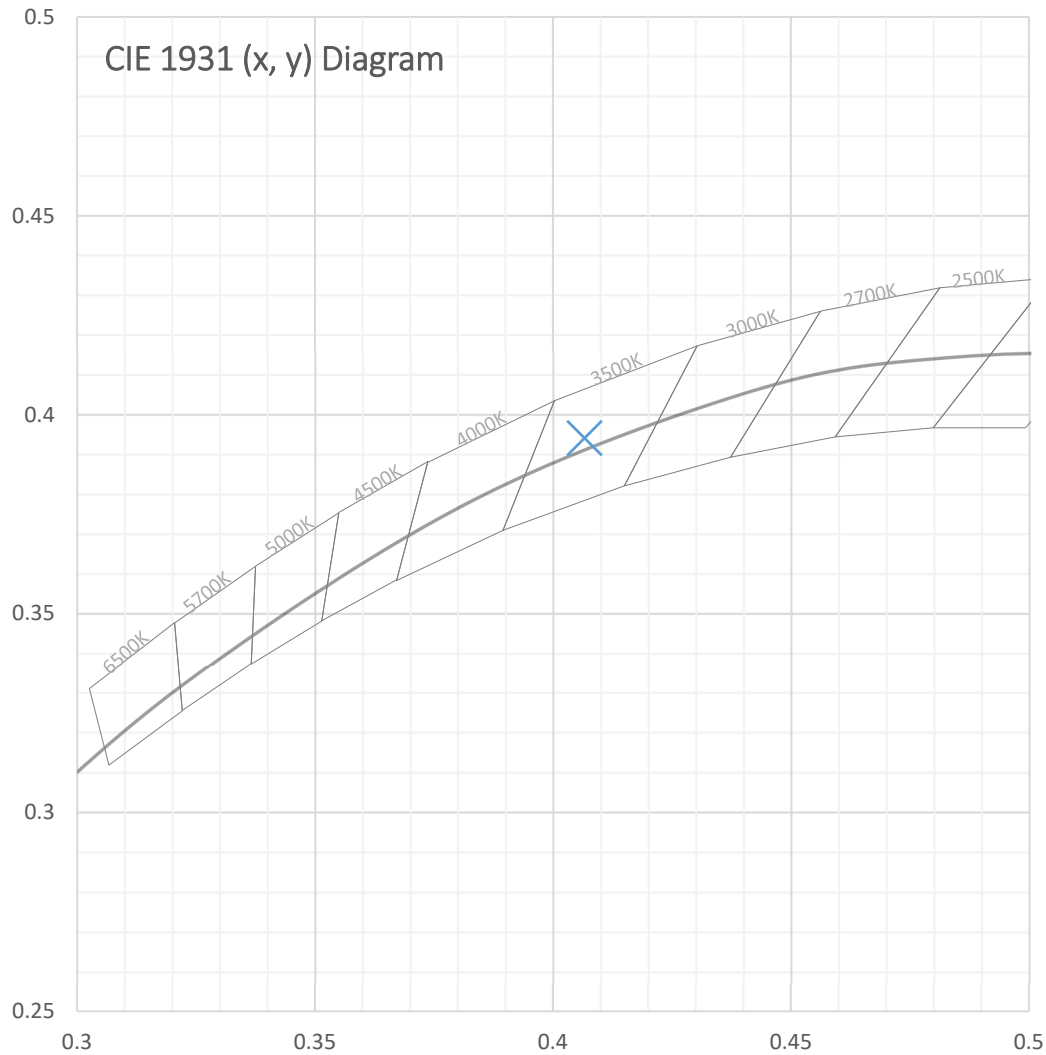
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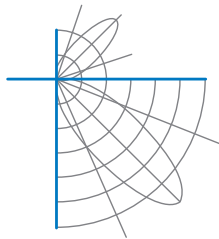
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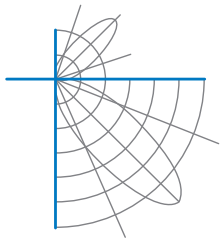
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Spectral Data	Total Radiant Flux	6.756 W
	Total Luminous Flux	2264.2 Lm
	Chromaticity CIE 1931 (x, y)	(0.4066, 0.3941)
	Chromaticity CIE 1976 (u', v')	(0.2352, 0.5129)
	Correlated Color Temperature (CCT)	3498 K
	Color Rendering Index (Ra)	82
	R1	81
	R2	87
	R3	93
	R4	83
	R5	81
	R6	83
	R7	86
	R8	63
	R9	7
	R10	70
	R11	84
	R12	60
	R13	83
	R14	96
	TM-30: Rf	81
	TM-30: Rg	98
	Distance from Planckian Locus (Duv)	0.0012
	Scotopic/Photopic Ratio *	1.479

Electrical Data

Voltage	277.0 Vac
Current	0.0726 A
Power	18.98 W
Frequency	59.99 Hz
Power Factor	0.944
Current THD	10.1 %



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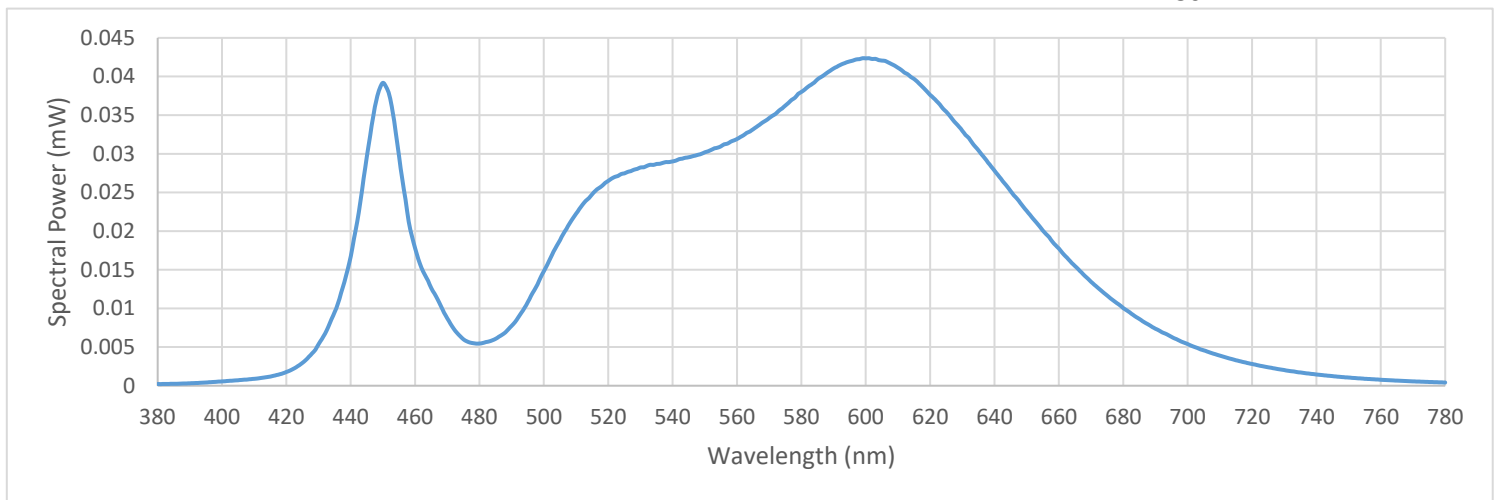
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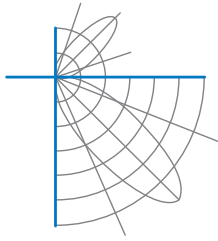
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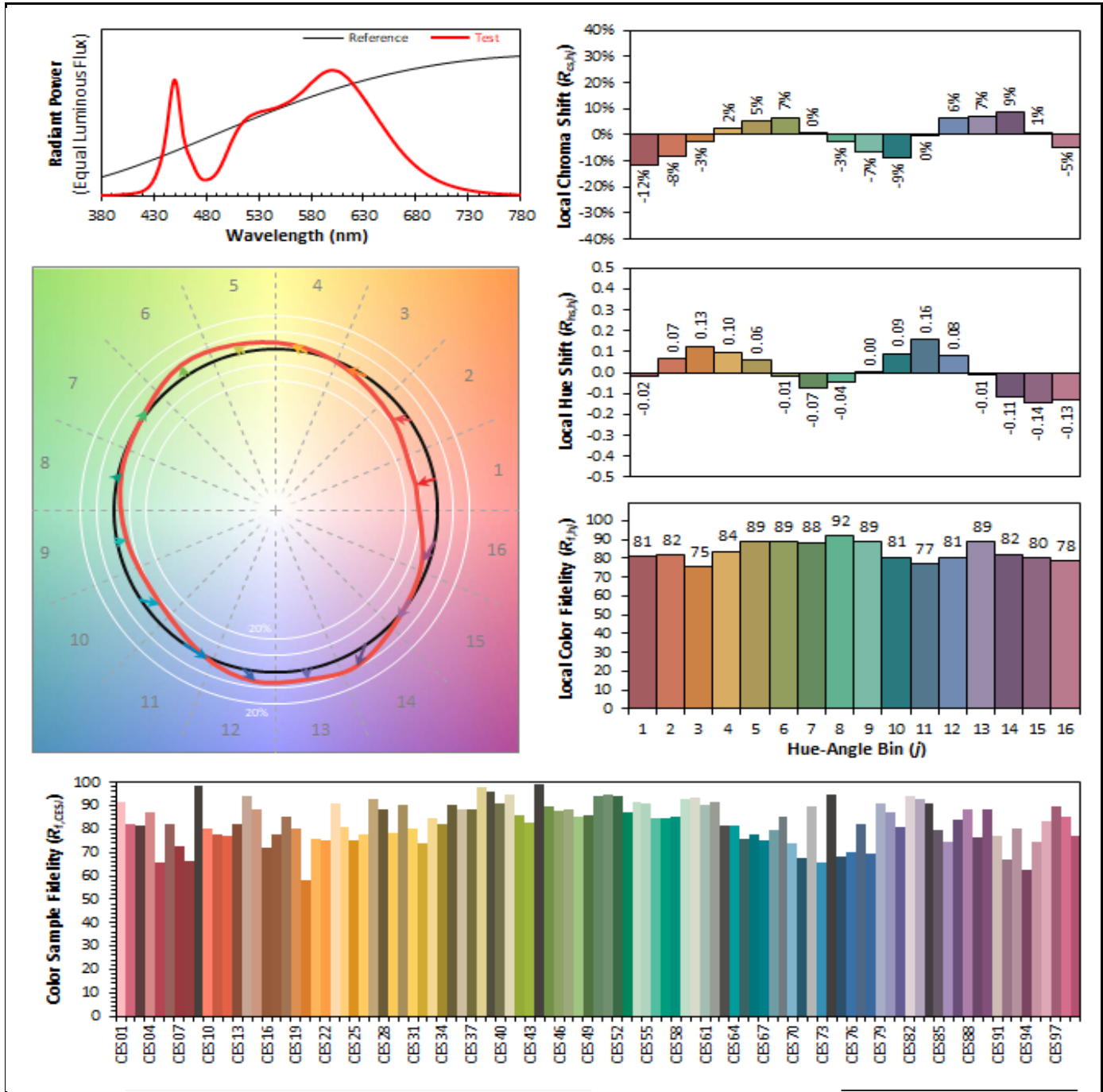
Summary Spectral Power Distribution (wavelength - nm, spectral power - mW)

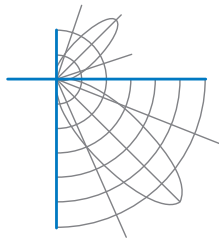
380	0.000227	480	0.005465	580	0.038005	680	0.010050
385	0.000253	485	0.006079	585	0.039646	685	0.008644
390	0.000328	490	0.007767	590	0.041050	690	0.007382
395	0.000421	495	0.010804	595	0.041967	695	0.006315
400	0.000558	500	0.014838	600	0.042365	700	0.005396
405	0.000722	505	0.018849	605	0.042064	705	0.004584
410	0.000907	510	0.022256	610	0.041134	710	0.003893
415	0.001198	515	0.024779	615	0.039683	715	0.003309
420	0.001781	520	0.026510	620	0.037623	720	0.002814
425	0.002969	525	0.027470	625	0.035435	725	0.002384
430	0.005397	530	0.028245	630	0.032984	730	0.002027
435	0.009528	535	0.028686	635	0.030465	735	0.001718
440	0.016748	540	0.029035	640	0.027807	740	0.001459
445	0.029610	545	0.029556	645	0.025183	745	0.001248
450	0.039187	550	0.030197	650	0.022611	750	0.001064
455	0.029641	555	0.030979	655	0.020091	755	0.000908
460	0.017782	560	0.031920	660	0.017739	760	0.000781
465	0.012629	565	0.033193	665	0.015498	765	0.000669
470	0.008725	570	0.034644	670	0.013447	770	0.000571
475	0.006016	575	0.036248	675	0.011669	775	0.000490
						780	0.000423





IES TM-30 Details





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Test Equipment Configuration: LightLab International Allentown 2m Integrating Sphere
Measurements acquired using a Labsphere CDS 2600 spectroradiometer
Testing was performed using 4 π geometry

Test Temperature: 25.1 °C

Test Procedure: Tested in accordance with the applicable sections of:
LM-79-19, LM-78-07, LM-58-13, ANSI_ANSLG C78.377-2017,
ANSI C82-77-10:2014, TM-30-15

Significance: 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.

Notes: The measurements 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

This report may contain data that are not covered by the NVLAP accreditation.
Quantities marked with * are not covered.