



Report of Test

LLIA001197-006

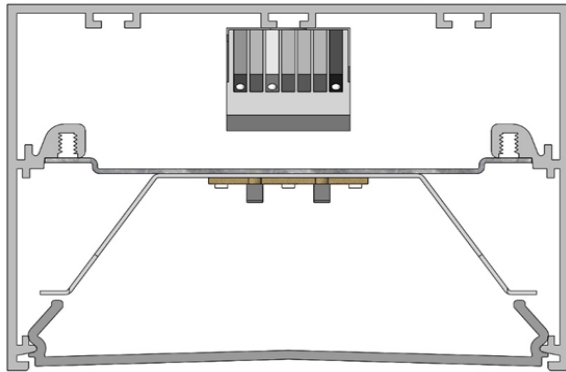
Integrating Sphere Report

Catalog Number: MLS5-D-HO-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 30/120-277/1A0 DIM-1 L G2 LED driver labeled as 540mA.



Performance Summary

Voltage	277.0 Vac
Current	0.1229 A
Power	31.44 W
Frequency	59.99 Hz
Power Factor	0.924
Current THD	14.1 %

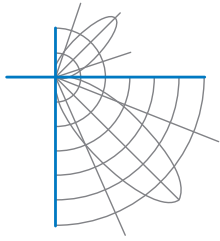
Total Luminous Flux	3679.0 lm
Efficacy	117.0 lm/W
Chromaticity (x,y)	(0.4071, 0.3946)
(u',v')	(0.2353, 0.5131)
Duv	0.0013
CCT	3492 K
CRI (Ra)	82
R9	5
TM-30: Rf	81
TM-30: Rg	98

Prepared For:

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

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

Signed: _____



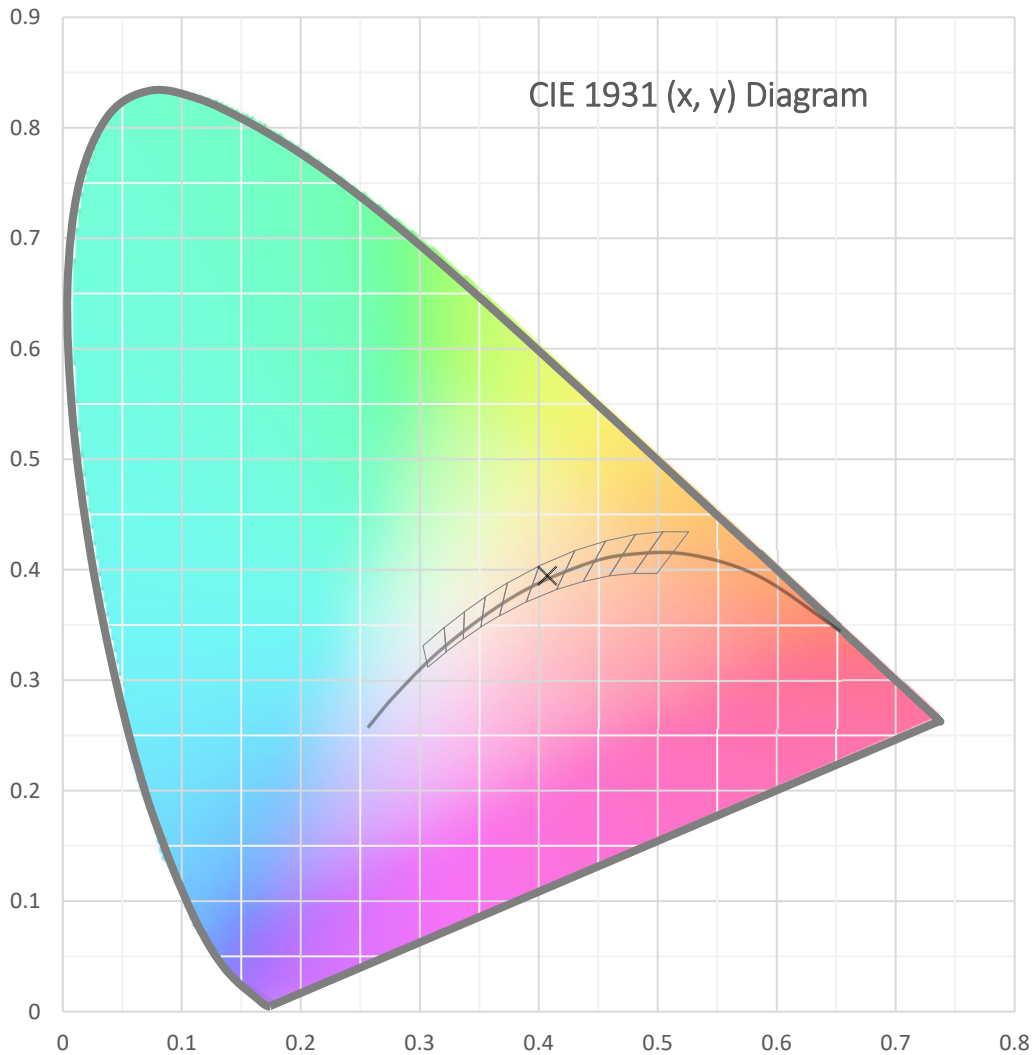
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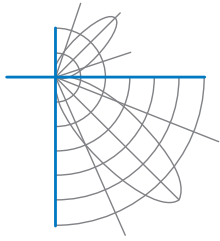
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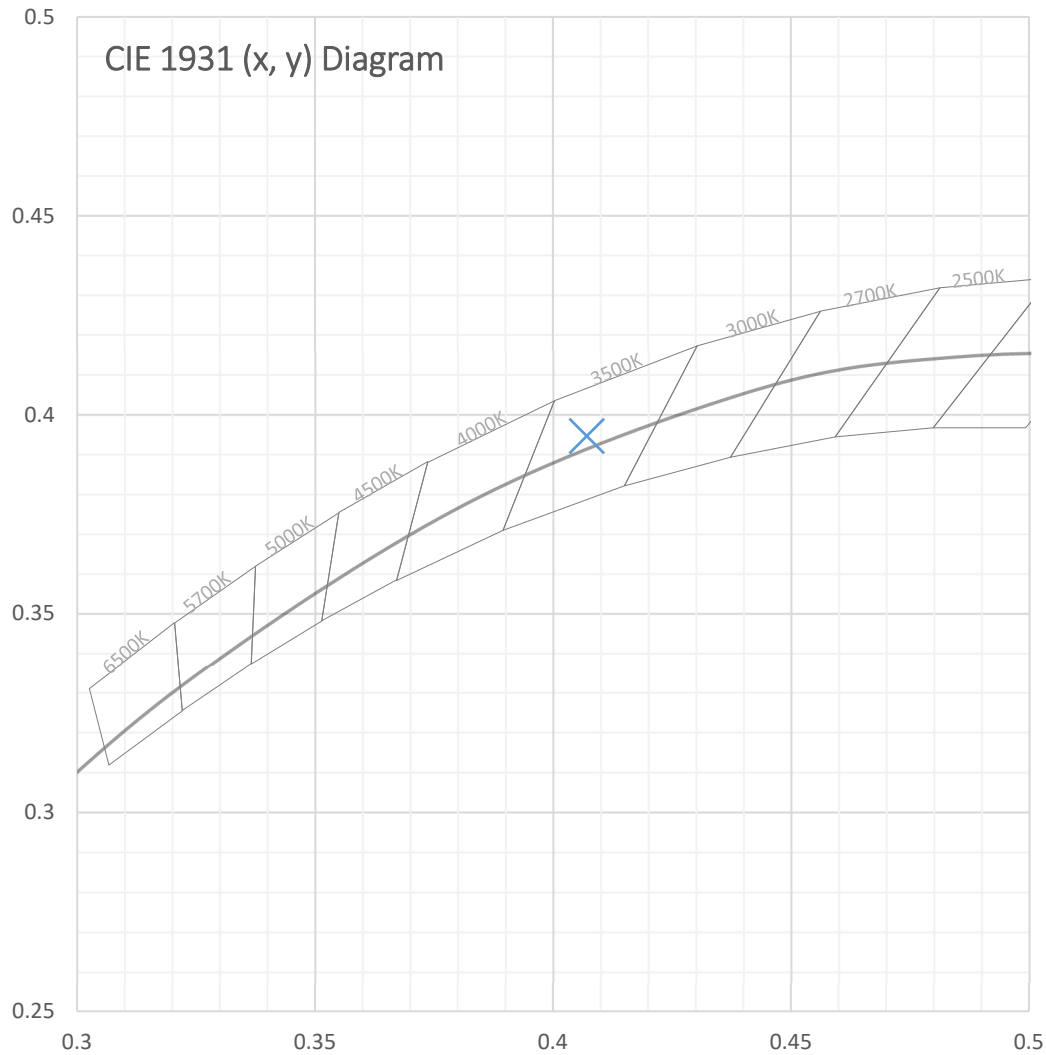
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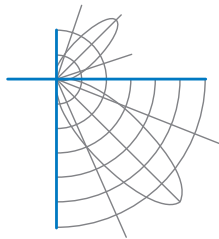
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Spectral Data	Total Radiant Flux	10.97 W
	Total Luminous Flux	3679.0 Lm
	Chromaticity CIE 1931 (x, y)	(0.4071, 0.3946)
	Chromaticity CIE 1976 (u', v')	(0.2353, 0.5131)
	Correlated Color Temperature (CCT)	3492 K
	Color Rendering Index (Ra)	82
	R1	81
	R2	87
	R3	93
	R4	83
	R5	80
	R6	83
	R7	86
	R8	63
	R9	5
	R10	70
	R11	83
	R12	60
	R13	82
	R14	96
	TM-30: Rf	81
	TM-30: Rg	98
	Distance from Planckian Locus (Duv)	0.0013
	Scotopic/Photopic Ratio *	1.473

Electrical Data

Voltage	277.0 Vac
Current	0.1229 A
Power	31.44 W
Frequency	59.99 Hz
Power Factor	0.924
Current THD	14.1 %



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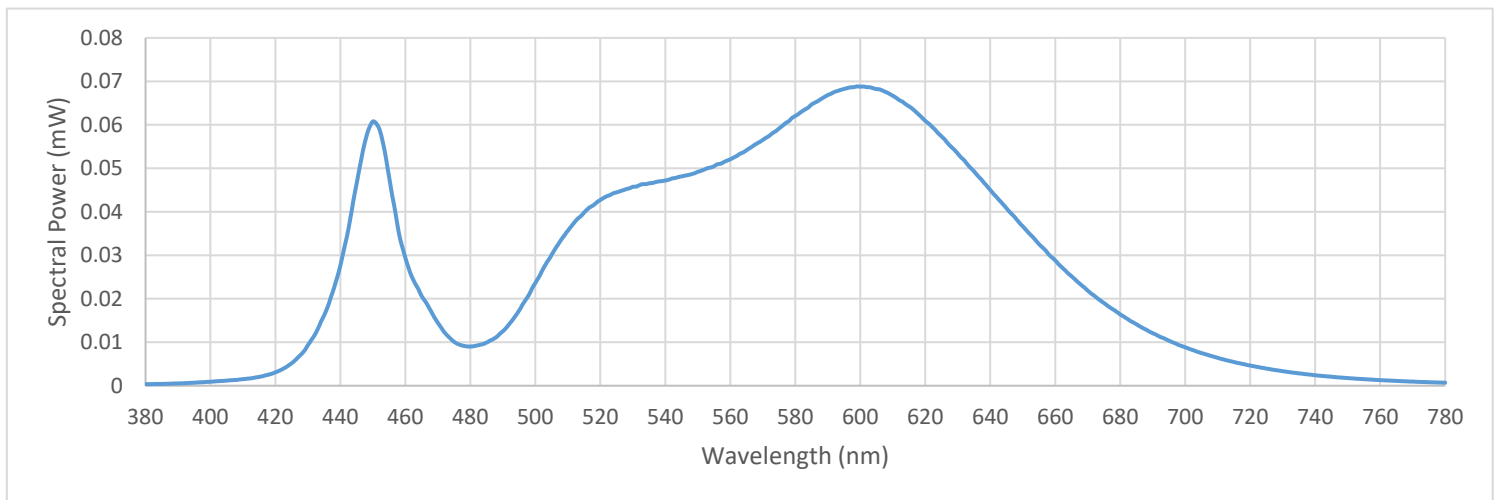
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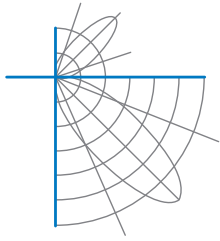
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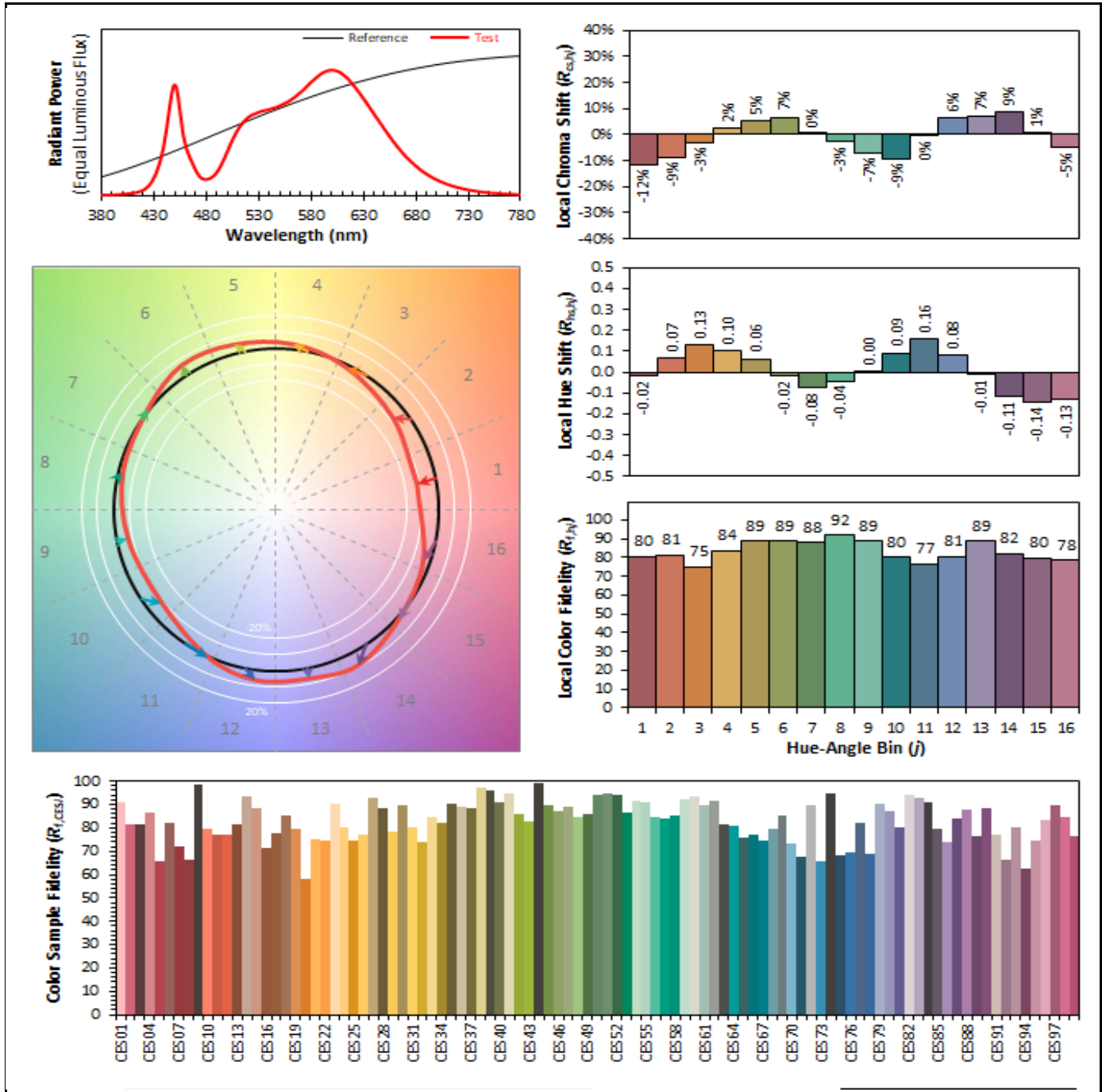
Summary Spectral Power Distribution (wavelength - nm, spectral power - mW)

380	0.000384	480	0.009031	580	0.062036	680	0.016404
385	0.000422	485	0.009939	585	0.064688	685	0.014133
390	0.000549	490	0.012564	590	0.066870	690	0.012103
395	0.000706	495	0.017293	595	0.068262	695	0.010342
400	0.000925	500	0.023684	600	0.068795	700	0.008858
405	0.001193	505	0.030097	605	0.068241	705	0.007537
410	0.001522	510	0.035686	610	0.066699	710	0.006408
415	0.002054	515	0.039826	615	0.064256	715	0.005461
420	0.003110	520	0.042745	620	0.060917	720	0.004643
425	0.005202	525	0.044459	625	0.057350	725	0.003952
430	0.009359	530	0.045767	630	0.053363	730	0.003363
435	0.016226	535	0.046561	635	0.049314	735	0.002854
440	0.027700	540	0.047218	640	0.045008	740	0.002421
445	0.046609	545	0.048159	645	0.040824	745	0.002073
450	0.060787	550	0.049197	650	0.036655	750	0.001775
455	0.047881	555	0.050487	655	0.032560	755	0.001518
460	0.029410	560	0.052091	660	0.028817	760	0.001303
465	0.020611	565	0.054182	665	0.025196	765	0.001119
470	0.014473	570	0.056546	670	0.021880	770	0.000955
475	0.010096	575	0.059192	675	0.019019	775	0.000819
						780	0.000709





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: 25.5 °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.