

Report of Test

LLIA001493-004

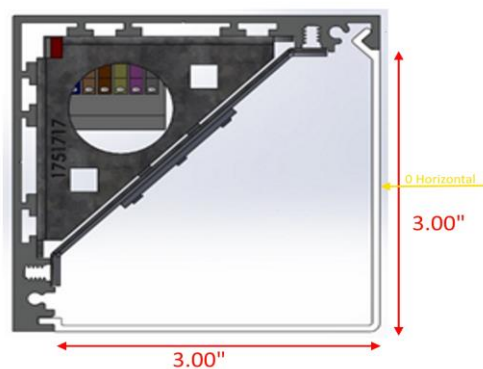
Integrating Sphere Report

Catalog Number: AS350-HO-K40-80-4-XX-LOH-FXXX-UNV-XX

Wall/ceiling mounted extruded aluminum housing, white enamel
aluminum reflector, translucent white plastic enclosure.

144 white LEDs, one Osram PrevaLED Bar board with 144 LEDs.

One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver programmed to 720mA.



Performance Summary

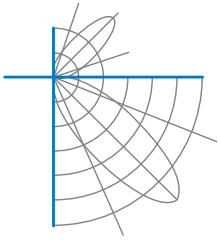
Voltage	277.0 Vac
Current	0.1101 A
Power	29.07 W
Frequency	59.99 Hz
Power Factor	0.954
Current THD	11.4 %
Total Luminous Flux	3596.1 lm
Efficacy	123.7 lm/W
Chromaticity (x,y)	(0.3791, 0.3744)
(u',v')	(0.2252, 0.5003)
Duv	-0.0007
CCT	4019 K
CRI (Ra)	85
R9	18
TM-30: Rf	83
TM-30: Rg	95
TM-30: Rcs,h1	-11

Prepared For:

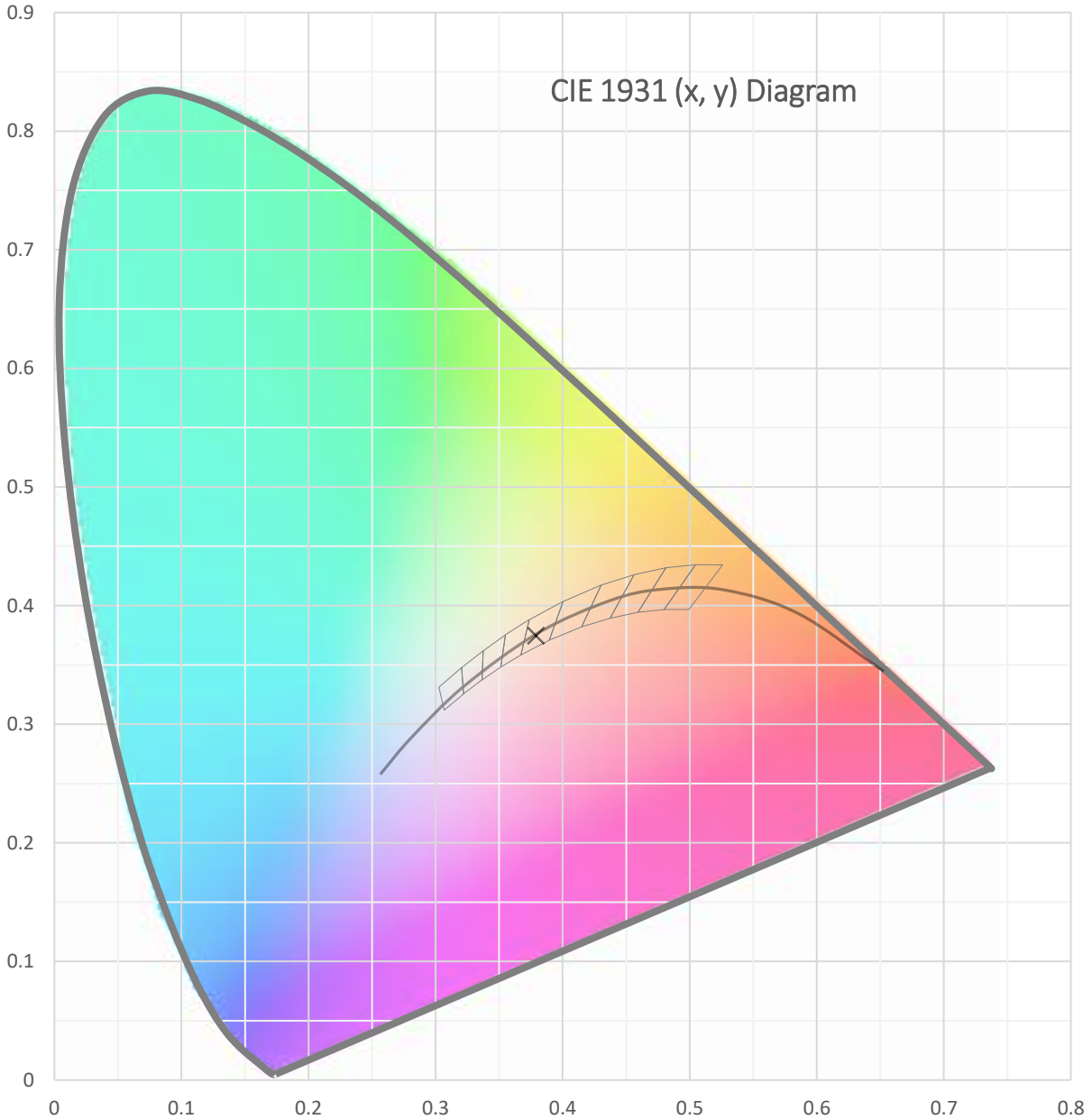
Precision Architectural Lighting
4830 Timber Creek Drive
Houston, TX 77017, USA

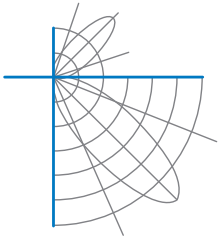
Test date: 07/08/2021
Report date: 07/09/2021

Signed: _____

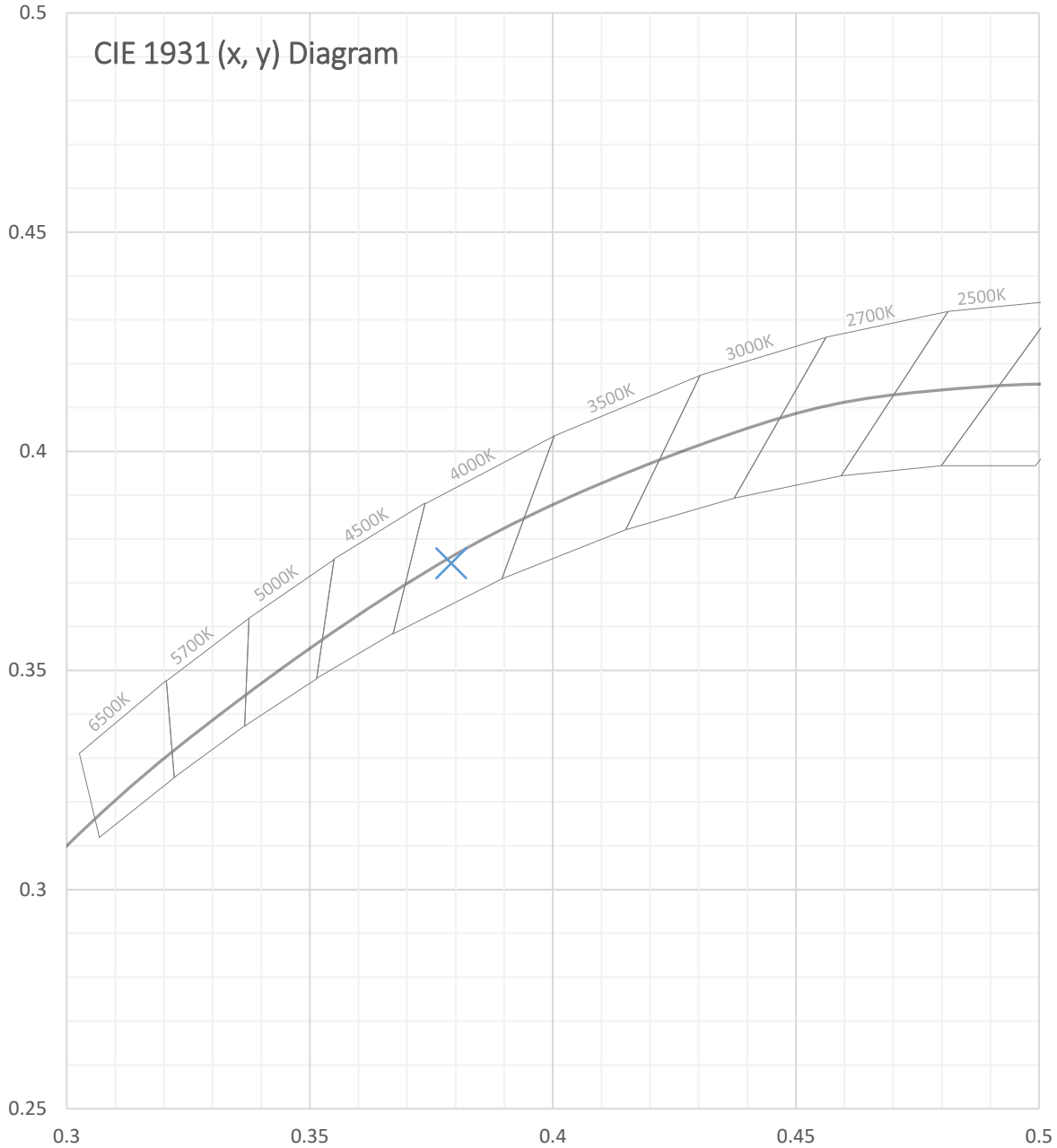


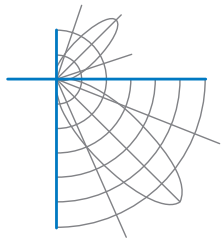
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Total Radiant Flux	11.23 W
Total Luminous Flux	3596.1 Lm
Chromaticity CIE 1931 (x, y)	(0.3791, 0.3744)
Chromaticity CIE 1976 (u', v')	(0.2252, 0.5003)
Correlated Color Temperature (CCT)	4019 K
Color Rendering Index (Ra)	85
R1	84
R2	92
R3	96
R4	83
R5	83
R6	87
R7	86
R8	67
R9	18
R10	80
R11	81
R12	62
R13	86
R14	98
TM-30: Rf	83
TM-30: Rg	95
TM-30: Rcs,h1	-11
Distance from Planckian Locus (Duv)	-0.0007
Scotopic/Photopic Ratio ‡	1.729

Electrical Data

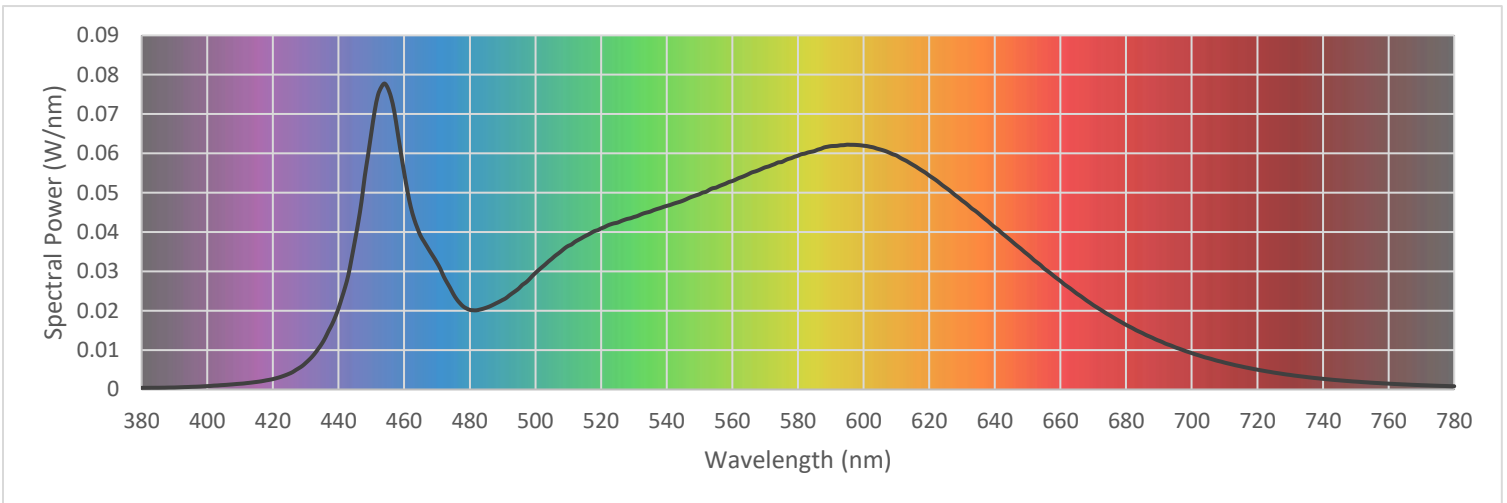
Voltage	277.0 Vac
Current	0.1101 A
Power	29.07 W
Frequency	59.99 Hz
Power Factor	0.954
Current THD	11.4 %

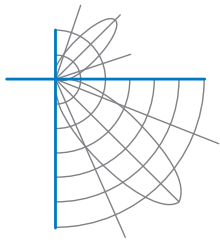


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Summary Spectral Power Distribution (wavelength - nm, spectral power - W/nm)

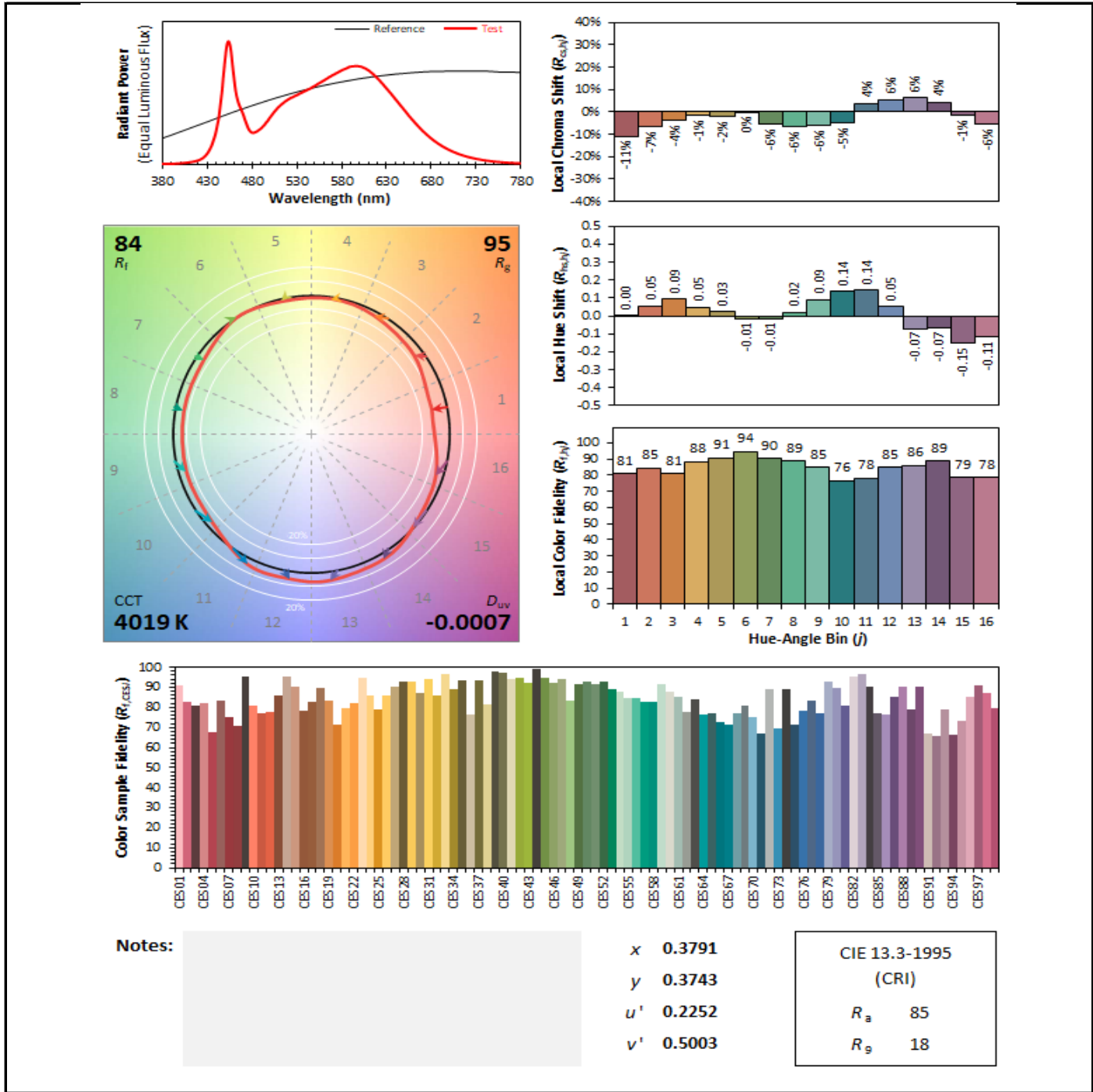
380	0.000407	480	0.020228	580	0.059407	680	0.016414
385	0.000431	485	0.020781	585	0.060585	685	0.014317
390	0.000501	490	0.022755	590	0.061844	690	0.012392
395	0.000662	495	0.025718	595	0.062218	695	0.010702
400	0.000854	500	0.029608	600	0.061952	700	0.009243
405	0.001132	505	0.033232	605	0.061013	705	0.007965
410	0.001458	510	0.036488	610	0.059487	710	0.006830
415	0.001910	515	0.038918	615	0.057109	715	0.005871
420	0.002640	520	0.040924	620	0.054371	720	0.005029
425	0.004023	525	0.042399	625	0.051324	725	0.004294
430	0.006748	530	0.043829	630	0.048032	730	0.003694
435	0.011753	535	0.045202	635	0.044755	735	0.003155
440	0.020656	540	0.046652	640	0.041218	740	0.002699
445	0.037867	545	0.047994	645	0.037793	745	0.002317
450	0.065288	550	0.049637	650	0.034322	750	0.001997
455	0.076625	555	0.051287	655	0.030740	755	0.001710
460	0.055085	560	0.052968	660	0.027570	760	0.001480
465	0.039053	565	0.054770	665	0.024366	765	0.001269
470	0.032215	570	0.056458	670	0.021438	770	0.001090
475	0.024236	575	0.057790	675	0.018851	775	0.000937
						780	0.000815

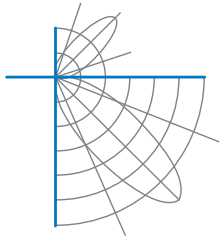




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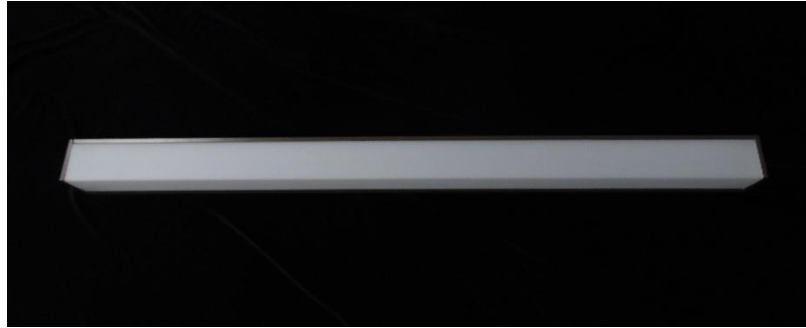
IES TM-30 Details

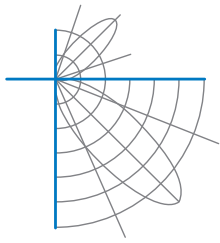




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Additional Pictures of Test Subject





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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 4π geometry

Test Temperature: 25.2 °C

Test Procedure: Tested in accordance with the applicable sections of:
LM-79-19, LM-78-07, LM-58-13, ANSI_ANSI C78.377-2017, TM-30-18

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.

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.