



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2008, ANSI C82.77
CIE 13.3-1995, CIE 15-2004

Prepared For
Humanscale
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Catalog Number
HORIZON-HZN SERIES LIGHT

LTL Test Number
23986

Test Date

2011-06-28

Prepared By

Eric Gaudreau, Technician III

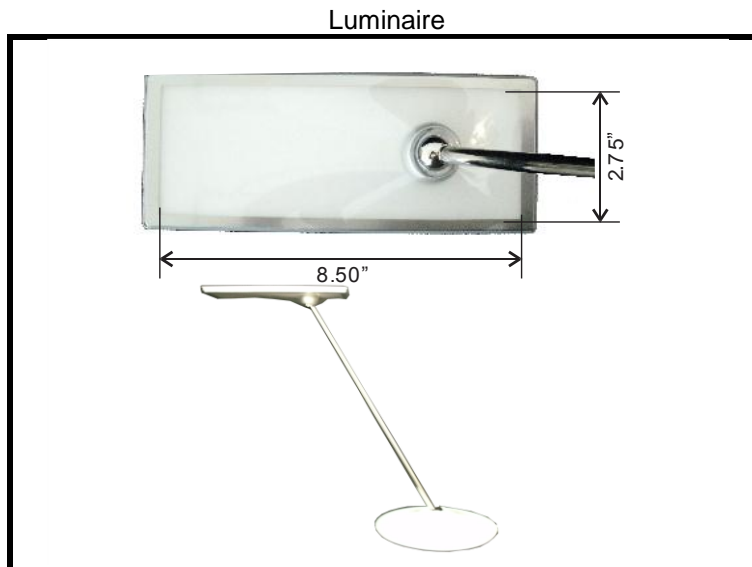
Approved By

Zachary Mooney, Project Coordinator

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed aluminum and steel housing, frosted lens above clear plastic enclosure
Catalog Number: HORIZON-HZN SERIES LIGHT
Lamp: One white LED
Mounting: Desk / Task
Ballast/Driver: One Leader Electronics Inc. MU18-D240075-A1



Summary of Results

Radiant Flux:	1152 mW
Luminous Flux:	364.4 Lumens
Luminaire Efficacy:	43.4 Lumens/Watt
CCT:	2972 K
CRI (Ra):	81.3
Chromaticity (x):	0.4378
Chromaticity (y):	0.4027
Chromaticity (u):	0.2517
Chromaticity (v):	0.3473
Duv:	-0.0008

Test Conditions

Test Temperature:	24.5 °C
Voltage:	120.0 VAC
Current:	0.1470 A
Power:	8.400 W
Power Factor:	0.476
Frequency:	60 Hz

Testing was performed in a Labsphere SLMS7650 two meter integrating sphere using the 4π geometry method, a Labsphere CDS 1100 spectrometer, and LightMtrX software.
Absorption correction was employed for this measurement.

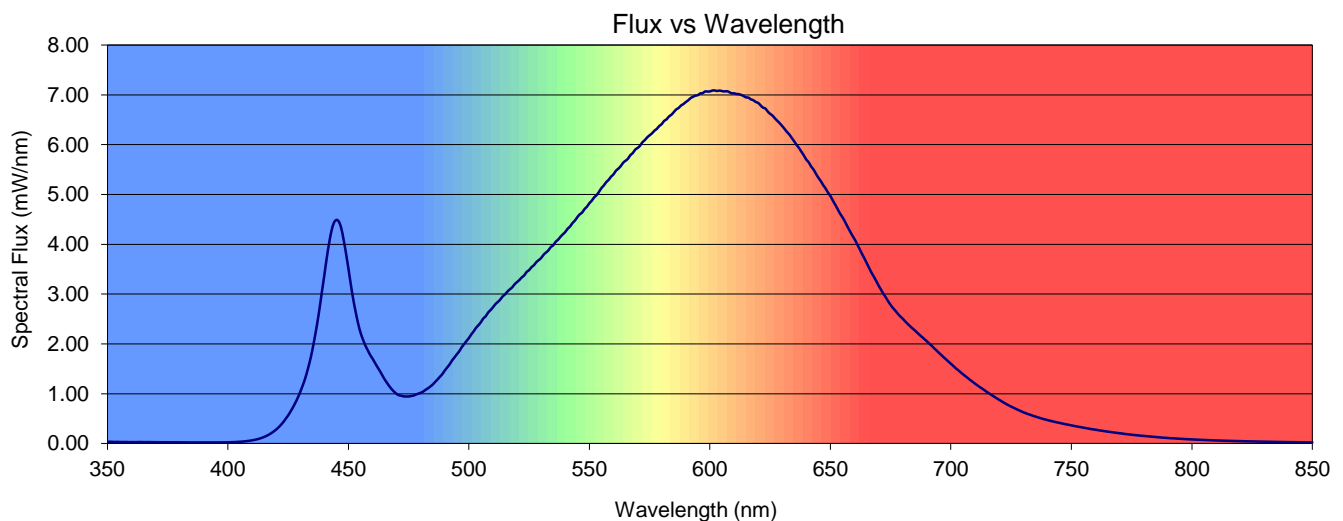
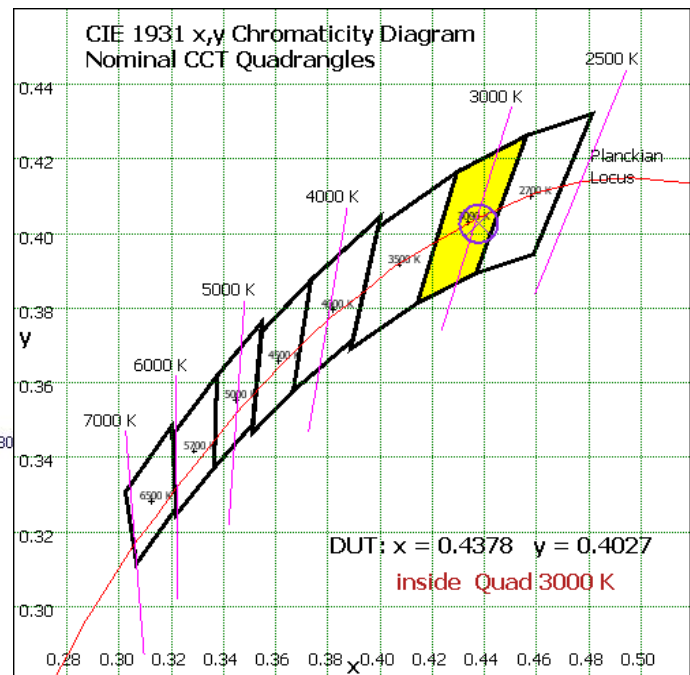
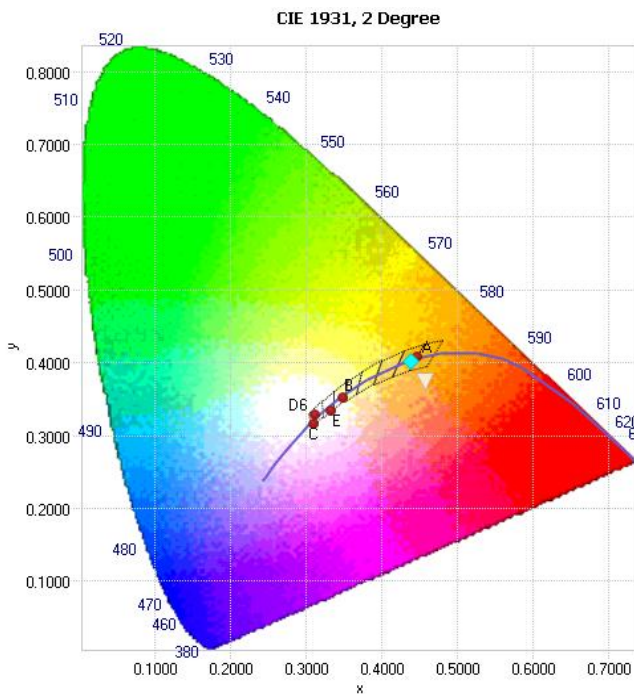


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.4378	0.4027	0.2517	0.3473	0.2517	0.5210	-0.0008

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
81.3	79.4	87.4	94.0	79.7	78.7	82.8	84.8	63.3	14.9	70.7	77.4	65.8	80.7	96.3





Spectral Power Distribution

Table with 16 columns (λ(nm), mW/nm) and 40 rows of spectral data points.