



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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220 Circle Drive North
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Catalog Number
ELEMENT VISION -EV SERIES LIGHT

LTL Test Number
23968

Test Date

2011-06-29

Prepared By

Eric Gaudreau, Technician III

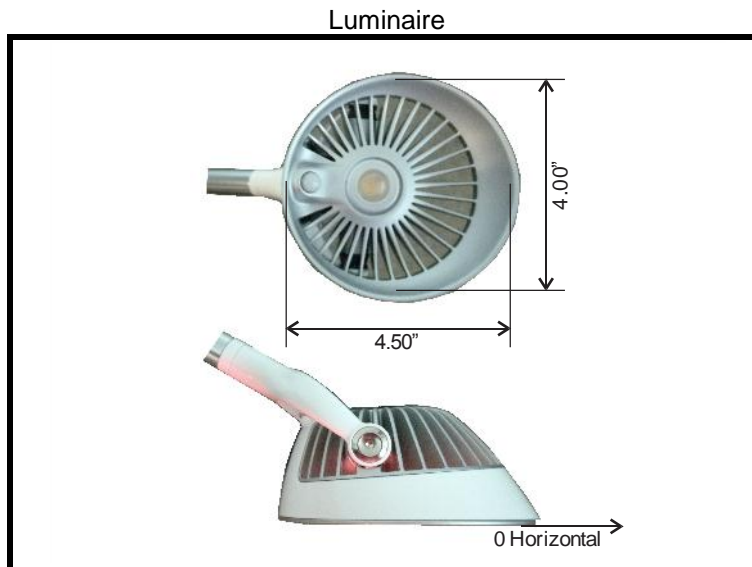
Approved By

Zachary Mooney, Project Coordinator

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed aluminum housing, cast aluminum heatsink, molded semi-specular ribbed reflector, frosted plastic enclosure
Catalog Number: ELEMENT VISION -EV SERIES LIGHT
Lamp: One white LED
Mounting: Desk / Task
Ballast/Driver: One Leader Electronics Inc. MU18-D240075-A1



Summary of Results

Radiant Flux:	839.1 mW
Luminous Flux:	238.6 Lumens
Luminaire Efficacy:	33.5 Lumens/Watt
CCT:	3104 K
CRI (Ra):	90.1
Chromaticity (x):	0.4283
Chromaticity (y):	0.3987
Chromaticity (u):	0.2473
Chromaticity (v):	0.3453
Duv:	-0.0014

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.0 VAC
Current:	0.1274 A
Power:	7.120 W
Power Factor:	0.466
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.

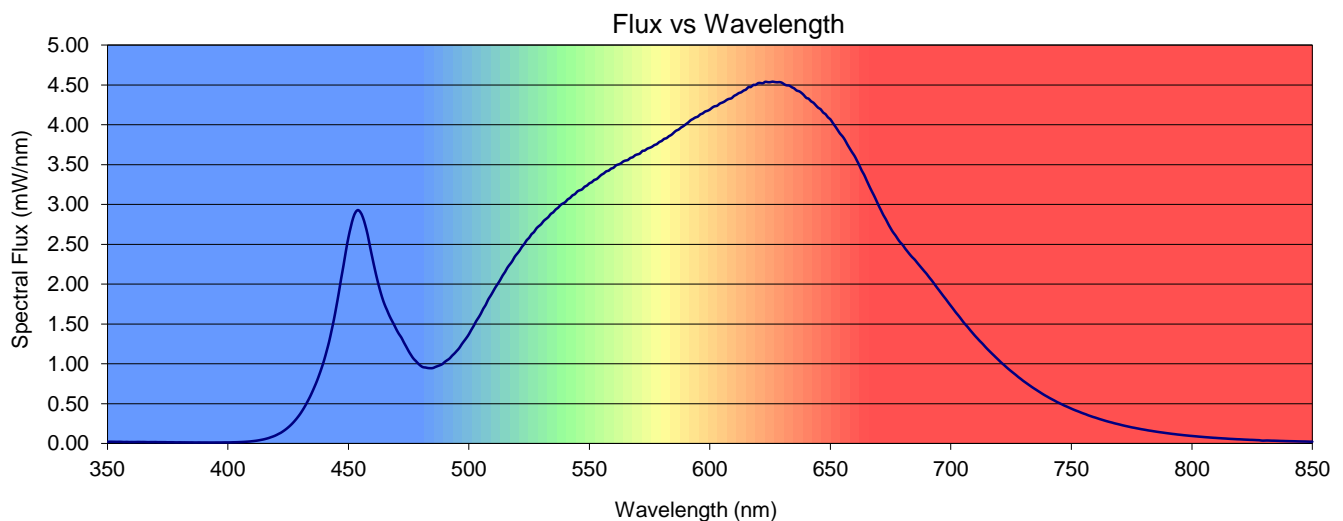
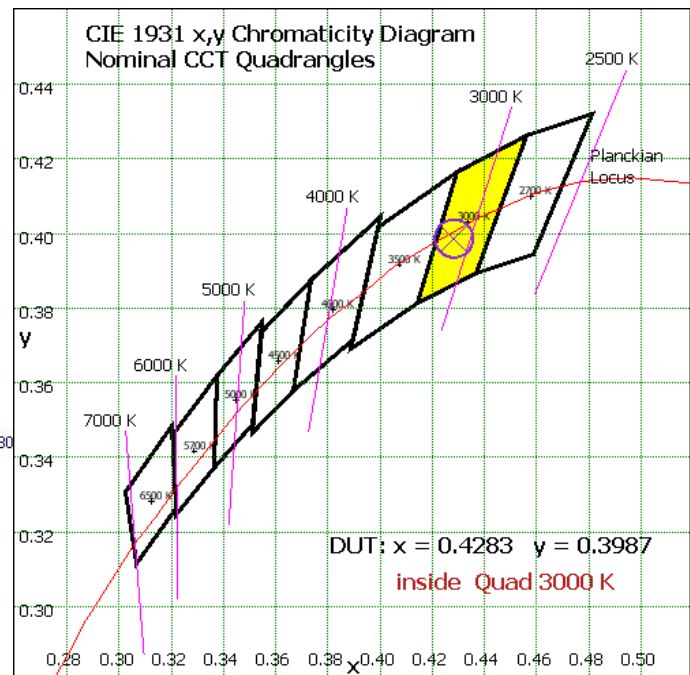
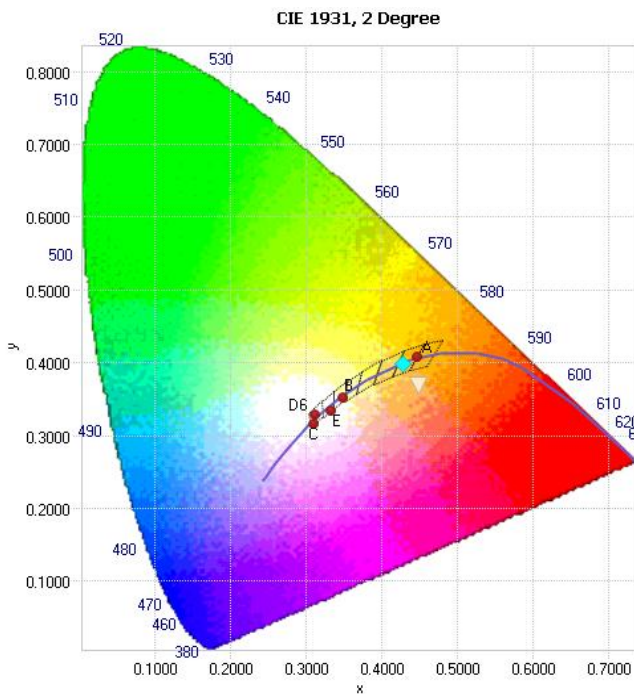


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.4283	0.3987	0.2473	0.3453	0.2473	0.5180	-0.0014

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
90.1	90.4	93.1	93.0	89.4	88.7	89.2	93.2	83.5	60.8	81.5	87.4	69.5	90.9	95.2





Spectral Power Distribution

Table with 16 columns (λ(nm), mW/nm) and 42 rows of spectral data points.