

Project Number
16.00187



HUBBELL
Lighting

Date
1/25/2016

LAB 6

Test Sample Description

Catalog Number: 7125-2030K9
Description: 1-Lt. LED Wall Sconce - 10.5" X 6" Round Shaped Globe with Slight Coating (still transparent) around the Globe, except for 3" that is completely Clear Glass and Decorative Pulley set-up

Test Method: IES LM-79-08 § 10
Preburn Time: 0:00
Time To Stabilize: 3:09
Total Operating Time: 3:33

Input Voltage (Volts): 120.1
Input Current (Amps): 0.065
Input Wattage (Watts): 7.2
Ambient Temp (°C): 24.4



Hubbell Lighting, Inc.

701 Millennium Boulevard
Greenville, SC 29607
www.hubbellighting.com

Checked: D. BLACK / D. ROBBINS
Approved: M. WASHBURN





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NVLAP LAB CODE: 201003-0

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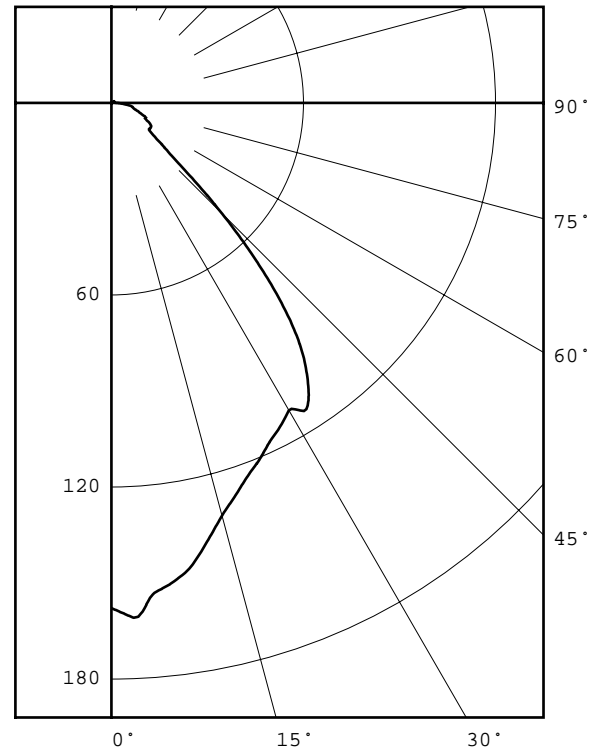
PREPARED FOR: PROGRESS
CATALOG NUMBER: 7125-2030K9
LUMINAIRE: 1-Lt. LED Wall Sconce - 10.5" X 6" Round Shaped Globe with Slight Coating (still transparent) around the Globe, except for 3" that is completely Clear Glass and Decorative Pulley set-up

LAMP CAT. NO.: 93049180-3130
LAMP: 20- Nichia 3000K LEDs- AC Module
MOUNTING: Wall

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

DEG	CANDELA	LUMENS
0	158	
5	154	15
15	134	38
25	117	54
35	107	65
45	49	38
55	14	14
65	12	12
75	8	8
85	4	4
90	2	
95	1	1
105	1	1
115	1	1
125	1	1
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	106	42.2
0- 40	171	67.9
0- 60	224	88.6
0- 90	248	98.4
90-120	4	1.4
90-130	4	1.6
90-150	4	1.6
90-180	4	1.6
0-180	252	100.0



TOTAL INPUT WATTS = 7.2
EFFICACY = 35.0 Lm/W
CIE TYPE - DIRECT
LUMINAIRE SPACING CRITERION = 1.1



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LUMINOUS DIAMETER: 10.000
HEIGHT OF SIDE : 8.000

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	674.
55	200.
65	172.
75	119.
85	68.



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CANDELA DISTRIBUTION

	0.0
0.0	158
5.0	154
10.0	146
15.0	134
20.0	124
25.0	117
30.0	111
35.0	107
40.0	84
45.0	49
50.0	22
55.0	14
60.0	14
65.0	12
70.0	10
75.0	8
80.0	7
85.0	4
90.0	2
95.0	1
100.0	1
105.0	1
110.0	1
115.0	1
120.0	1
125.0	1
130.0	0
135.0	0
140.0	0
145.0	0
150.0	0
155.0	0
160.0	0
165.0	0
170.0	0
175.0	0
180.0	0



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ZONAL LUMEN SUMMARY

0- 5	4.
5- 10	11.
10- 15	17.
15- 20	21.
20- 25	25.
25- 30	29.
30- 35	33.
35- 40	32.
40- 45	25.
45- 50	13.
50- 55	7.
55- 60	7.
60- 65	6.
65- 70	6.
70- 75	5.
75- 80	4.
80- 85	3.
85- 90	1.
90- 95	1.
95-100	0.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	0.
145-150	0.
150-155	0.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	4
5- 10	11
10- 15	17
15- 20	21
20- 25	25
25- 30	29
30- 35	33
35- 40	32
40- 45	25
45- 50	13
50- 55	7
55- 60	7
60- 65	6
65- 70	6
70- 75	5
75- 80	4
80- 85	3
85- 90	1
90- 95	1
95-100	0
100-105	1
105-110	1
110-115	1
115-120	1
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	15
0- 20	52
0- 30	106
0- 40	171
0- 50	209
0- 60	224
0- 70	236
0- 80	244
0- 90	248
0-100	249
0-110	251
0-120	252
0-130	252
0-140	252
0-150	252
0-160	252
0-170	252
0-180	252



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	110	107	103	100	108	104	101	98	100	97	95	96	94	92	92	90	89	87
2	103	96	91	86	100	94	89	85	90	86	83	87	84	81	84	81	79	77
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	77	73	70	68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	65	60	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50
7	73	61	54	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	54	48	44	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	61	49	42	37	59	48	42	37	47	41	37	46	41	37	45	40	36	35

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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Goniophotometer Calibration

Calibration Lamp: GE 1000W, 120V, T6, CL (FEL)

Lamp Number: ITL78966-1000-14

Calibration Current: 8.300 Amps DC

Total Luminous Flux: 23413.0 Lumens

Calibration Date: 07/18/2015

Test Equipment Used

<i>Instrument</i>	<i>Manufacturer / Model</i>	<i>S/N</i>	<i>Calibration Due:</i>
<i>Goniophotometer</i>	ITL / HLI LAB 6 - Test Distance: 31.3'	N/A	N/A
<i>Power Analyzer</i>	Yokogawa / WT 332	C2QA27076V	11/10/2016
<i>Power Source</i>	Voltage-Regulated House Power	N/A	N/A
<i>Thermometer</i>	National Instruments / USB-TC01	1912745	11/10/2016

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This report shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.