

Project Number
15.02368



HUBBELL
Lighting

Date
12/30/2015

LAB 6

Test Sample Description

Catalog Number: 6084-31

Description: 1-Lt. Small Wall Lantern with Etched White Linen Refractor- #93060755

Test Method: IES LM-46-04

Preburn Time: 0:00

Time To Stabilize: 0:60

Total Operating Time: 0:70

Input Voltage (Volts): 120.2

Input Current (Amps): 0.613

Input Wattage (Watts): 73.6

Ambient Temp (°C): 24.4



Hubbell Lighting, Inc.

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

Checked: D. BLACK / D. ROBBINS
Approved: P. McARTHUR

NVLAP[®]
NVLAP LAB CODE: 201003-0

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



HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com



REPORT NUMBER: 15.02368

PAGE: 2 OF 7

ISSUE DATE: 12/30/15

PREPARED FOR: PROGRESS

CATALOG NUMBER: 6084-31

LUMINAIRE: 1-Lt. Small Wall Lantern with Etched White Linen Refractor-
#93060755

LAMP CAT. NO.: 75W/120V/A19/IF

LAMP: 1- GE 75W Medium Base Incandescent

MOUNTING: Wall

REPORT IS BASED ON 1190 LUMENS PER LAMP.

DEG	CANDELA	LUMENS
0	122	
5	126	12
15	143	41
25	151	69
35	132	80
45	80	63
55	54	48
65	33	32
75	12	13
85	0	1
90	0	

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	122	10.3	34.1
0- 40	203	17.0	56.4
0- 60	314	26.4	87.3
0- 90	359	30.2	100.0
90-180	0	0.0	0.0
0-180	359	30.2	100.0

TOTAL LUMINAIRE EFFICIENCY = 30.2 %

TOTAL INPUT WATTS = 73.6

EFFICACY = 4.9 Lm/W

CIE TYPE - DIRECT

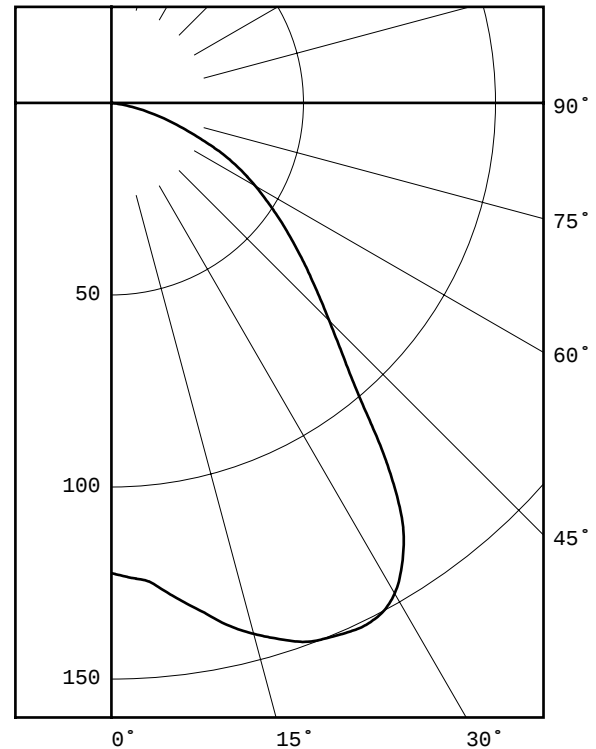
LUMINAIRE SPACING CRITERION = 1.4

LUMINOUS DIAMETER: 3.500

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE
IN DEG

45	18266.
55	15162.
65	12499.
75	7218.
85	0.





HUBBELL
Lighting

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



REPORT NUMBER: 15.02368
ISSUE DATE: 12/30/15
PREPARED FOR: PROGRESS

PAGE: 3 OF 7

CANDELA DISTRIBUTION

	0.0
0.0	122
2.5	124
5.0	126
7.5	130
10.0	134
12.5	139
15.0	143
17.5	146
20.0	149
22.5	150
25.0	151
27.5	151
30.0	148
32.5	141
35.0	132
37.5	118
40.0	101
42.5	89
45.0	80
47.5	73
50.0	66
52.5	60
55.0	54
57.5	48
60.0	43
62.5	38
65.0	33
67.5	26
70.0	21
72.5	16
75.0	12
77.5	8
80.0	4
82.5	1
85.0	0
87.5	0
90.0	0



HUBBELL
Lighting

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



REPORT NUMBER: 15.02368
ISSUE DATE: 12/30/15
PREPARED FOR: PROGRESS

PAGE: 4 OF 7

ZONAL LUMEN SUMMARY

0- 5	3.
5- 10	9.
10- 15	17.
15- 20	24.
20- 25	32.
25- 30	38.
30- 35	41.
35- 40	39.
40- 45	33.
45- 50	29.
50- 55	26.
55- 60	22.
60- 65	18.
65- 70	13.
70- 75	8.
75- 80	4.
80- 85	1.
85- 90	0.



HUBBELL
Lighting

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



REPORT NUMBER: 15.02368
ISSUE DATE: 12/30/15
PREPARED FOR: PROGRESS

PAGE: 5 OF 7

**5-DEGREE
ZONAL LUMEN SUMMARY**

0- 5	3
5- 10	9
10- 15	17
15- 20	24
20- 25	32
25- 30	38
30- 35	41
35- 40	39
40- 45	33
45- 50	29
50- 55	26
55- 60	22
60- 65	18
65- 70	13
70- 75	8
75- 80	4
80- 85	1
85- 90	0

**10-DEGREE
ZONAL LUMEN SUMMARY**

0- 10	12
0- 20	53
0- 30	122
0- 40	203
0- 50	265
0- 60	314
0- 70	346
0- 80	358
0- 90	359



HUBBELL
Lighting

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



REPORT NUMBER: 15.02368
ISSUE DATE: 12/30/15

PAGE: 6 OF 7

PREPARED FOR: PROGRESS

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	36	36	36	36	35	35	35	35	34	34	34	32	32	32	31	31	31	30
1	33	32	31	30	33	31	30	30	30	29	29	29	28	28	28	27	27	26
2	31	28	27	25	30	28	26	25	27	26	24	26	25	24	25	24	23	23
3	28	25	23	21	28	25	23	21	24	22	21	23	22	20	22	21	20	20
4	26	23	20	18	25	22	20	18	22	20	18	21	19	18	20	19	18	17
5	24	20	18	16	23	20	18	16	20	17	16	19	17	16	18	17	16	15
6	22	19	16	14	22	18	16	14	18	16	14	17	15	14	17	15	14	13
7	21	17	14	13	20	17	14	13	16	14	13	16	14	12	15	14	12	12
8	19	15	13	11	19	15	13	11	15	13	11	15	13	11	14	12	11	11
9	18	14	12	10	18	14	12	10	14	12	10	13	12	10	13	11	10	10
10	17	13	11	9	17	13	11	9	13	11	9	12	11	9	12	10	9	9

Project Number
15.02368



Date
12/30/2015

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

Hubbell Lighting, Inc.

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

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