

Project Number
15.00758



Date
5/12/2015

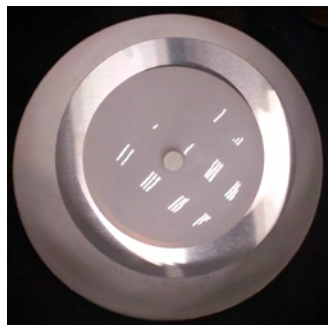
LAB 6

Test Sample Description

Catalog Number: P5187-0930K9
Description: "Kiss" 10" Mini-Pendant w/ AC HAL 17W LED Module

Test Method: IES LM-79-08 § 10
Preburn Time: 0:00
Time To Stabilize: 4:07
Total Operating Time: 4:37

Input Voltage (Volts): 120.3
Input Current (Amps): 0.149
Input Wattage (Watts): 16.7
Ambient Temp (°C): 24.4



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Checked: R. WILLIAMS
Approved: P. McCARTHY





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PREPARED FOR: PROGRESS
CATALOG NUMBER: P5187-0930K9
LUMINAIRE: "Kiss" 10" Mini-Pendant w/ AC HAL 17W LED Module
LENS: Satin Etch White
LAMP CAT. NO.: 93047261-4130
LAMP: 40- Nichia 3000K LEDs
MOUNTING: PENDANT
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

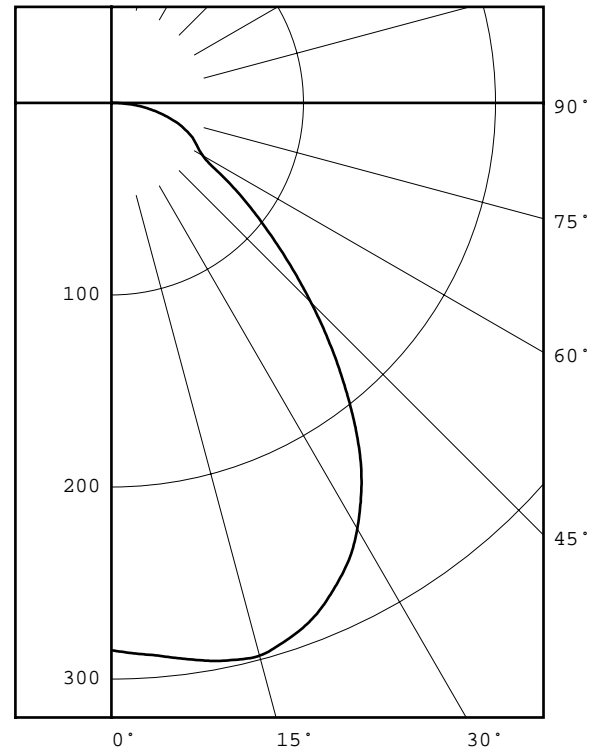
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DEG	CANDELA	LUMENS
0	285	
5	289	28
15	298	84
25	277	127
35	226	140
45	147	114
55	79	71
65	48	48
75	32	34
85	12	13
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	239	36.3
0- 40	379	57.6
0- 60	563	85.7
0- 90	657	100.0
90-180	0	0.0
0-180	657	100.0

TOTAL INPUT WATTS = 16.7
EFFICACY = 39.3 Lm/W
CIE TYPE - DIRECT
LUMINAIRE SPACING CRITERION = 1.3
LUMINOUS DIAMETER: 8.000

LUMINANCE DATA IN CANDELA/SQ METER	
ANGLE	AVERAGE
IN DEG	
45	6408.
55	4246.
65	3501.
75	3811.
85	4244.





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CANDELA DISTRIBUTION

	0.0
0.0	285
2.5	287
5.0	289
7.5	292
10.0	295
12.5	297
15.0	298
17.5	295
20.0	291
22.5	285
25.0	277
27.5	268
30.0	256
32.5	242
35.0	226
37.5	207
40.0	187
42.5	167
45.0	147
47.5	128
50.0	110
52.5	94
55.0	79
57.5	64
60.0	55
62.5	51
65.0	48
67.5	45
70.0	41
72.5	37
75.0	32
77.5	27
80.0	22
82.5	17
85.0	12
87.5	6
90.0	0



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ZONAL LUMEN SUMMARY

0- 5	7.
5- 10	21.
10- 15	35.
15- 20	49.
20- 25	60.
25- 30	68.
30- 35	71.
35- 40	69.
40- 45	62.
45- 50	52.
50- 55	41.
55- 60	30.
60- 65	25.
65- 70	23.
70- 75	19.
75- 80	14.
80- 85	9.
85- 90	3.



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	7
5- 10	21
10- 15	35
15- 20	49
20- 25	60
25- 30	68
30- 35	71
35- 40	69
40- 45	62
45- 50	52
50- 55	41
55- 60	30
60- 65	25
65- 70	23
70- 75	19
75- 80	14
80- 85	9
85- 90	3

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	28
0- 20	112
0- 30	239
0- 40	379
0- 50	492
0- 60	563
0- 70	611
0- 80	645
0- 90	657



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	63	59	57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

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: ITL78966-1000-38

Calibration Current: 8.300 Amps DC

Total Luminous Flux: 25753.0 Lumens

Calibration Date: 11/24/2014

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	11/12/2015
<i>Power Source</i>	Voltage-Regulated House Power	N/A	N/A
<i>Thermometer</i>	National Instruments / USB-TC01	1912745	11/11/2015

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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.