

**LUMINAIRE:** HBLH60LU5KN070WH  
 HBLH Classified Location, Extreme Environment  
 18" diameter Led with custom engineered narrow TIR optics  
**BALLAST:** LED40W-54-CO700-M-D  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 13783  
**WATTS:** 142.00  
**MOUNTING:** Specialty  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 0.99 90° = 0.99  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 1.17  
 WIDTH: 1.17  
 HEIGHT: 0.00

TEST #7182  
 DATE: 6/19/2013

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 97**

**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT INTENSIVE USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.47**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

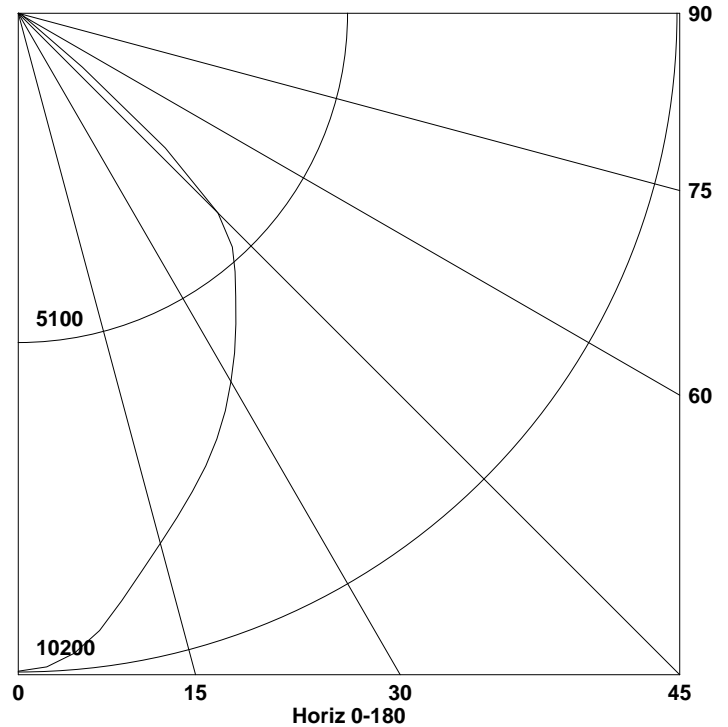
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	6674	48.4	48.4
0-40	10357	75.1	75.1
0-60	13634	98.9	98.9
0-90	13783	100.0	100.0
0-180	13783	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	0.0
0	101969
30	76138
40	68248
45	61916
50	20201
55	2950
60	1822
65	1800
70	1961
75	2128
80	2018
85	1723

**INDOOR CANDELA PLOT**



**COEFFICIENTS OF UTILIZATION (%)**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

**ZONAL CAVITY METHOD**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	80%				70%				50%				30%					
RW	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
R 4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68
C 5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
R 6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.  
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.  
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_



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**CANDELA VALUES**

ANGLE	0.0
0.0	10185*
2.5	10127
5.0	9946
7.5	9639
10.0	9233
12.5	8841
15.0	8496
17.5	8182
20.0	7880
22.5	7584
25.0	7273
27.5	6939
30.0	6586
32.5	6233
35.0	5873
37.5	5529
40.0	5222
42.5	4907
45.0	4373
47.5	3088
50.0	1297
52.5	318
55.0	169
57.5	105
60.0	91
62.5	81
65.0	76
67.5	73
70.0	67
72.5	61
75.0	55
77.5	45
80.0	35
82.5	26
85.0	15
87.5	5
90.0	0

\*MAXIMUM CANDELA VALUE



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**CANDELA VALUES**

- ANGLE**
- 0.0
  - 2.5
  - 5.0
  - 7.5
  - 10.0
  - 12.5
  - 15.0
  - 17.5
  - 20.0
  - 22.5
  - 25.0
  - 27.5
  - 30.0
  - 32.5
  - 35.0
  - 37.5
  - 40.0
  - 42.5
  - 45.0
  - 47.5
  - 50.0
  - 52.5
  - 55.0
  - 57.5
  - 60.0
  - 62.5
  - 65.0
  - 67.5
  - 70.0
  - 72.5
  - 75.0
  - 77.5
  - 80.0
  - 82.5
  - 85.0
  - 87.5
  - 90.0