

LUMINAIRE: HBLH60LU5KW070WH
 HBLH Classified Location, Extreme Environment
 18" diameter Led with custom engineered wide TIR optics
BALLAST: LED40W-54-CO700-M-D
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 13352
WATTS: 142.20
MOUNTING: Specialty
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 2.10 90° = 2.10
LUMINOUS OPENING IN FEET
 LENGTH: 1.17
 WIDTH: 1.17
 HEIGHT: 0.00

TEST #7183
 DATE: 6/19/2013

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 94

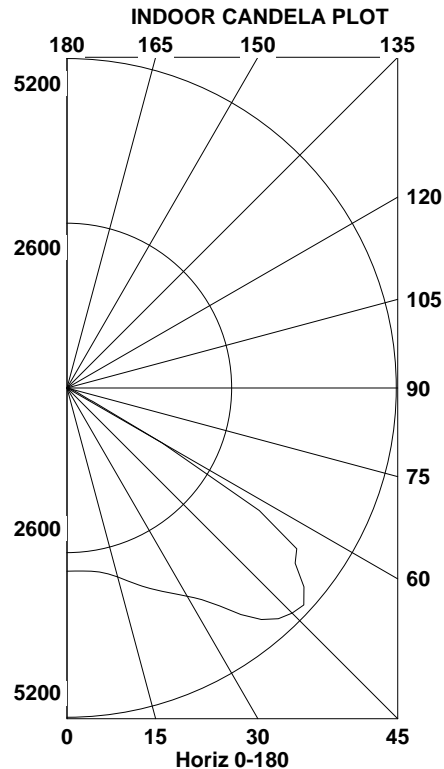
ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.55
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2808	21.0	21.0
0-40	5481	41.0	41.0
0-60	12871	96.4	96.4
0-90	13352	100.0	100.0
0-180	13352	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0
0	28944
30	43884
40	62367
45	71176
50	76071
55	77273
60	34661
65	5401
70	2049
75	1779
80	1672
85	689



0.0 ———

COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 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%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75	
3	93	83	75	69	90	81	74	69	78	72	68	76	71	66	73	69	65	63	
R	4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
C	5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
R	6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
	7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
	8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
	9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	25
	10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

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	2891
2.5	2893
5.0	2901
7.5	2917
10.0	2949
12.5	3005
15.0	3089
17.5	3193
20.0	3309
22.5	3426
25.0	3539
27.5	3659
30.0	3796
32.5	3962
35.0	4200
37.5	4508
40.0	4772
42.5	4938
45.0	5027
47.5	5069*
50.0	4884
52.5	4541
55.0	4427
57.5	3599
60.0	1731
62.5	457
65.0	228
67.5	134
70.0	70
72.5	52
75.0	46
77.5	41
80.0	29
82.5	15
85.0	6
87.5	1
90.0	0
92.5	0
95.0	0
97.5	0
100.0	0
102.5	0
105.0	0
107.5	0
110.0	0
112.5	0
115.0	0
117.5	0
120.0	0
122.5	0
125.0	0
127.5	0
130.0	0
132.5	0
135.0	0
137.5	0
140.0	0
142.5	0
145.0	0
147.5	0
150.0	0
152.5	0
155.0	0
157.5	0
160.0	0
162.5	0
165.0	0
167.5	0
170.0	0
172.5	0
175.0	0
177.5	0
180.0	0

*MAXIMUM CANDELA VALUE