

**LUMINAIRE:** LLHP3-50VL-M-EU  
 LLHP Led High Bay, Industrial  
 11" x 36" led with medium distribution optics  
**BALLAST:** PISE-Z202B  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 41898  
**WATTS:** 424.50  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.05 90° = 1.04  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.79  
 WIDTH: 3.00  
 HEIGHT: 0.02

TEST #14.00177  
 DATE: 8/26/2014

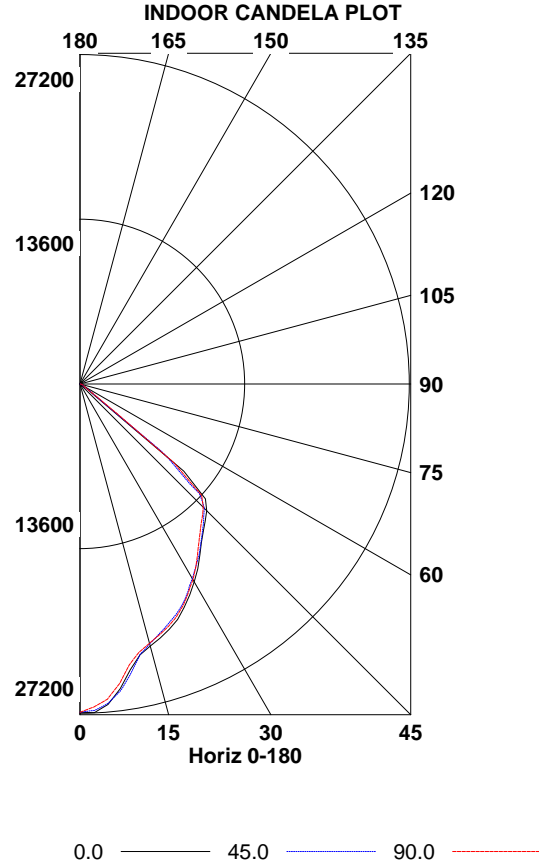
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 99**  
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.42**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	18041	43.1	43.1
0-40	28792	68.7	68.7
0-60	41335	98.7	98.7
0-90	41896	100.0	100.0
90-120	1	0.0	0.0
90-130	1	0.0	0.0
90-150	1	0.0	0.0
90-180	1	0.0	0.0
0-180	41898	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	123113	123113	123113	123113	123113
30	97458	96751	96013	96936	97448
40	92017	91778	91640	91317	91403
45	92638	91624	91137	90612	91821
50	76818	71609	65087	67066	71159
55	5831	5925	6083	5978	5914
60	2846	2356	2491	2316	3421
65	3109	2555	2716	2526	3327
70	3166	2727	2513	2710	3169
75	2742	3616	3075	3662	2722
80	2767	4013	3153	4128	2949
85	2668	4180	3230	4677	3293



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	RW	80%				70%				50%				30%				10%	0%	
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
R	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100
R	1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91	91
R	2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82	82
R	3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73	73
R	4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66
C	5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59	59
R	6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53	53
R	7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48	48
R	8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	44
R	9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40
R	10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37	37

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: \_\_\_\_\_

**LUMINAIRE:** LLHP3-50VL-M-EU  
LLHP Led High Bay, Industrial  
11" x 36" led with medium distribution optics

TEST #14.00177  
DATE: 8/26/2014

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	27107	27107	27107	27107	27107
2.5	27157*	27079	26992	26886	26683
5.0	26564	26526	26469	26339	26121
7.5	25381	25458	25561	25272	24962
10.0	23949	24072	24236	23929	23524
12.5	22909	22910	22885	22822	22652
15.0	22407	22370	22209	22270	22167
17.5	22001	21886	21648	21795	21728
20.0	21554	21401	21138	21309	21306
22.5	21043	20829	20628	20761	20807
25.0	20345	20169	20041	20107	20169
27.5	19627	19478	19304	19394	19392
30.0	18855	18725	18547	18653	18653
32.5	18103	18011	17833	17876	17822
35.0	17249	17245	17155	17085	16960
37.5	16461	16488	16434	16301	16164
40.0	15850	15817	15750	15607	15503
42.5	15306	15243	15121	14956	14931
45.0	14788	14635	14510	14331	14391
47.5	14046	13676	13353	13295	13611
50.0	11200	10448	9460	9671	10151
52.5	1131	1165	1416	1774	1891
55.0	763	776	793	772	754
57.5	479	447	461	447	535
60.0	327	271	285	262	381
62.5	310	268	296	260	334
65.0	305	251	265	243	314
67.5	311	226	217	220	321
70.0	255	220	201	213	243
72.5	220	228	196	222	206
75.0	171	226	190	221	159
77.5	137	205	173	198	132
80.0	121	176	136	172	117
82.5	98	149	98	145	94
85.0	66	104	78	106	68
87.5	36	64	48	66	38
90.0	5	12	8	14	4
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE