

**LUMINAIRE:** LLHP2-50-L-W-EDU  
 LLHP Led High Bay, Industrial  
 11" x 24" led with wide distribution optics  
**BALLAST:** TRC-152Q070DT  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 13942  
**WATTS:** 142.50  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.34 90° = 1.37  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.67  
 WIDTH: 0.67  
 HEIGHT: 0.00

TEST #5942  
 DATE: 10/10/2012  
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 98**  
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.45**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

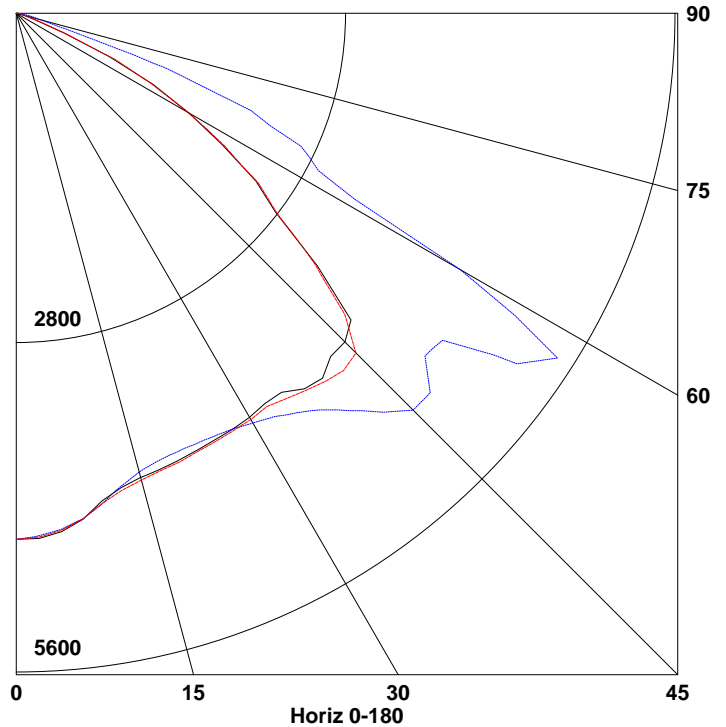
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	3416	24.5	24.5
0-40	5984	42.9	42.9
0-60	12251	87.9	87.9
0-90	13942	100.0	100.0
0-180	13942	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	107207	107207	107207	107207	107207
30	109783	110392	111305	110115	110392
40	126740	134128	138009	134973	127867
45	133947	147715	161754	150970	138457
50	124632	135301	169136	134667	123476
55	103970	124747	217136	124872	105015
60	81335	104546	208709	104067	80616
65	49646	77845	151264	76823	52369
70	14022	16756	85813	18018	15143
75	6856	8153	21679	8153	7041
80	5662	6076	11185	5662	5800
85	6878	7429	6603	7429	6603

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ———

**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	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73	73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62	62
R	4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
C	5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
R	6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
	7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
	8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
	9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
	10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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:** LLHP2-50-L-W-EDU  
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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	4471	4471	4471	4471	4471
2.5	4468	4464	4444	4446	4457
5.0	4423	4419	4403	4402	4411
7.5	4338	4341	4335	4328	4334
10.0	4208	4215	4230	4220	4228
12.5	4128	4114	4118	4126	4152
15.0	4084	4059	4036	4065	4107
17.5	4062	4025	3991	4028	4077
20.0	4043	4009	3973	3999	4060
22.5	4019	3991	3966	3976	4031
25.0	3998	3977	3968	3964	4013
27.5	3984	3976	3983	3962	3998
30.0	3965	3987	4020	3977	3987
32.5	3932	4001	4066	3997	3963
35.0	3932	4046	4146	4057	3999
37.5	4023	4146	4250	4166	4042
40.0	4049	4285	4409	4312	4085
42.5	3956	4370	4599	4420	4118
45.0	3950	4356	4770	4452	4083
47.5	3858	4185	4771	4144	3784
50.0	3341	3627	4534	3610	3310
52.5	2778	3168	4566	3183	2790
55.0	2487	2984	5194	2987	2512
57.5	2069	2780	<b>5455*</b>	2766	2101
60.0	1696	2180	4352	2170	1681
62.5	1314	1746	2895	1713	1291
65.0	875	1372	2666	1354	923
67.5	441	709	2158	717	467
70.0	200	239	1224	257	216
72.5	114	131	446	133	118
75.0	74	88	234	88	76
77.5	51	62	146	61	57
80.0	41	44	81	41	42
82.5	26	27	33	26	29
85.0	25	27	24	27	24
87.5	12	18	12	15	14
90.0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE