

**LUMINAIRE:** LLHP2-50-L-A-EDU  
 LLHP Led High Bay, Industrial  
 11" x 24" led with aisle distribution optics  
**BALLAST:** TRC-152Q070DT  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 12966  
**WATTS:** 142.90  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 0.97 90° = 0.63  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.75  
 WIDTH: 0.75  
 HEIGHT: 0.00

TEST #5764  
 DATE: 9/18/2012

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 91**

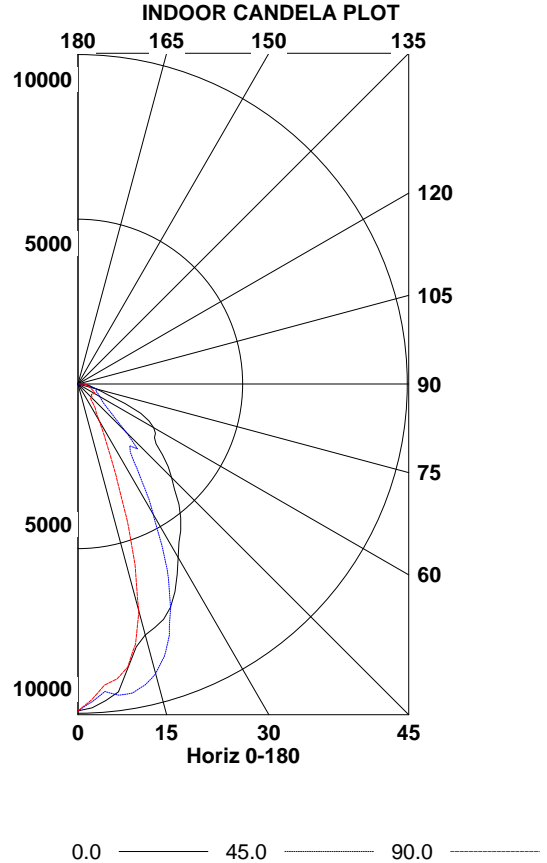
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.64**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5844	45.1	45.1
0-40	7920	61.1	61.1
0-60	10893	84.0	84.0
0-90	12934	99.7	99.7
90-120	33	0.3	0.3
90-130	33	0.3	0.3
90-150	33	0.3	0.3
90-180	33	0.3	0.3
0-180	12966	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	189904	189904	189904	189904	189904
30	134455	149260	101134	44126	28327
40	119105	117931	61126	18036	15363
45	108709	95178	55342	16589	15669
50	99849	94967	35843	18725	15838
55	94616	87276	30093	19217	17382
60	101573	75663	29278	23154	22351
65	94996	69414	29839	28571	23953
70	55278	65405	32339	30437	24338
75	41996	68687	43105	33419	26839
80	40113	105903	43970	42097	32509
85	56649	130204	57527	66749	57746



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	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	110	105	102	98	107	103	100	96	99	96	93	95	93	90	91	89	88	86	
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75	
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	
R	4	88	77	69	63	85	76	69	63	67	62	71	66	61	69	64	61	59	
C	5	82	70	63	57	80	69	62	56	67	61	65	60	55	64	59	55	53	
R	6	76	65	57	51	75	64	56	51	62	56	61	55	50	59	54	50	48	
	7	72	60	52	47	70	59	52	47	58	51	56	50	46	55	50	46	44	
	8	68	56	48	43	66	55	48	43	54	47	53	47	42	51	46	42	40	
	9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	37	
	10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	35	

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	22.5	45.0	67.5	90.0
0.0	9924*	9924	9924	9924	9924
2.5	9837	9777	9661	9612	9595
5.0	9648	9548	9371	9248	9178
7.5	9426	9634	9530	9205	9033
10.0	8741	9513	9525	8947	8714
12.5	8173	9291	9365	8439	8084
15.0	7890	9164	9102	7754	7133
17.5	7749	9037	8692	6922	5768
20.0	7604	8826	8114	5887	4287
22.5	7338	8437	7342	4851	3031
25.0	6963	7931	6493	3877	2170
27.5	6518	7356	5514	2860	1648
30.0	6085	6755	4577	1997	1282
32.5	5702	6200	3783	1465	1030
35.0	5435	5666	3119	1118	921
37.5	5122	5158	2608	881	776
40.0	4768	4721	2447	722	615
42.5	4337	4033	2665	646	565
45.0	4017	3517	2045	613	579
47.5	3716	3288	1500	608	576
50.0	3354	3190	1204	629	532
52.5	2985	3001	1011	605	512
55.0	2836	2616	902	576	521
57.5	2785	2193	830	587	552
60.0	2654	1977	765	605	584
62.5	2432	1804	709	635	575
65.0	2098	1533	659	631	529
67.5	1548	1291	603	590	471
70.0	988	1169	578	544	435
72.5	745	1138	585	496	405
75.0	568	929	583	452	363
77.5	424	843	467	413	317
80.0	364	961	399	382	295
82.5	316	909	334	352	282
85.0	258	593	262	304	263
87.5	203	338	212	235	207
90.0	83	233	131	129	91
92.5	0	15	21	42	48
95.0	0	1	12	18	41
97.5	0	1	2	9	21
100.0	0	1	2	5	5
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