

**LUMINAIRE:** LLHP2-50-L-M-EDU  
 LLHP Led High Bay, Industrial  
 11" x 24" led with medium distribution optics  
**BALLAST:** TRC-152Q070DT  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 14349  
**WATTS:** 142.40  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 0.99 90° = 0.99  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.75  
 WIDTH: 0.75  
 HEIGHT: 0.00

TEST #5765  
 DATE: 9/18/2012

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 101**

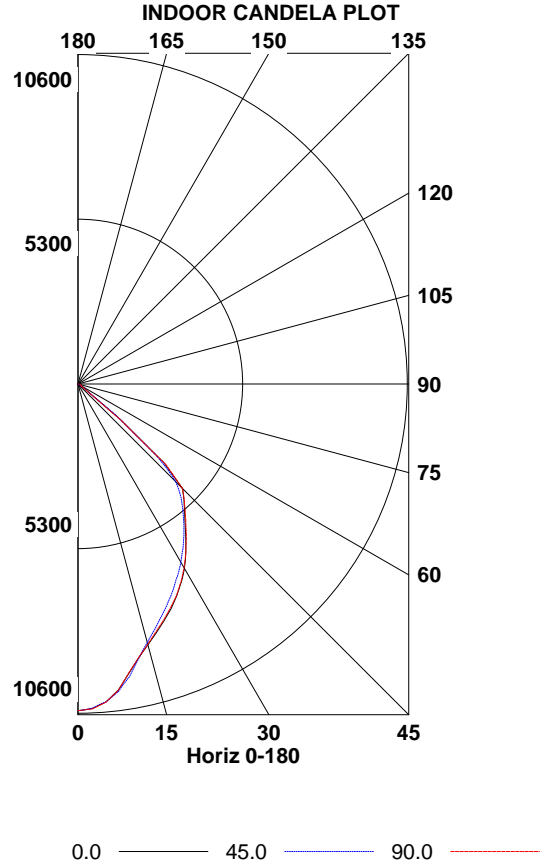
**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT INTENSIVE USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.38**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	6808	47.4	47.4
0-40	10576	73.7	73.7
0-60	14164	98.7	98.7
0-90	14348	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	14349	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	201118	201118	201118	201118	201118
30	151226	149304	146233	149171	150895
40	133219	131970	130971	133444	134093
45	128816	123539	120292	123539	128627
50	54569	55968	52485	53259	53080
55	7240	7406	7740	7006	7140
60	5243	3827	3636	3751	5320
65	5071	3849	3985	3849	5207
70	4868	4252	4028	4308	4980
75	3253	5619	4732	5693	3327
80	3306	5290	3526	5400	3306
85	4172	5928	4172	5489	3952



**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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	
R	4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
C	5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
R	6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56
	7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51
	8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46
	9	68	56	49	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
	10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

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	10510*	10510	10510	10510	10510
2.5	10456	10448	10440	10449	10466
5.0	10276	10265	10268	10262	10280
7.5	9934	9955	9979	9937	9939
10.0	9446	9480	9561	9457	9432
12.5	9024	9025	9042	8988	9016
15.0	8689	8659	8613	8616	8669
17.5	8390	8326	8252	8286	8352
20.0	8101	8019	7913	7980	8075
22.5	7823	7716	7584	7693	7784
25.0	7521	7430	7268	7395	7504
27.5	7193	7110	6945	7088	7177
30.0	6844	6757	6618	6751	6829
32.5	6462	6395	6285	6408	6461
35.0	6041	6034	5940	6053	6073
37.5	5665	5639	5590	5689	5699
40.0	5333	5283	5243	5342	5368
42.5	5045	4968	4893	4989	5058
45.0	4760	4565	4445	4565	4753
47.5	3747	3724	3463	3690	3838
50.0	1833	1880	1763	1789	1783
52.5	374	364	373	356	360
55.0	217	222	232	210	214
57.5	124	119	113	116	124
60.0	137	100	95	98	139
62.5	132	90	86	89	134
65.0	112	85	88	85	115
67.5	111	81	79	81	114
70.0	87	76	72	77	89
72.5	72	76	69	77	73
75.0	44	76	64	77	45
77.5	30	64	53	66	31
80.0	30	48	32	49	30
82.5	24	38	25	38	24
85.0	19	27	19	25	18
87.5	12	18	13	17	9
90.0	3	7	4	6	2
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