

LUMINAIRE: LLHP2-50-H-A-EDU
 LLHP Led High Bay, Industrial
 11" x 24" Led with aisle distribution optics
BALLAST: (2) TRC-152Q070DT
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 24896
WATTS: 281.40
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 0.94 90° = 0.60
LUMINOUS OPENING IN FEET
 LENGTH: 1.83
 WIDTH: 0.77
 HEIGHT: 0.00

TEST #5763
 DATE: 9/14/2012

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 88

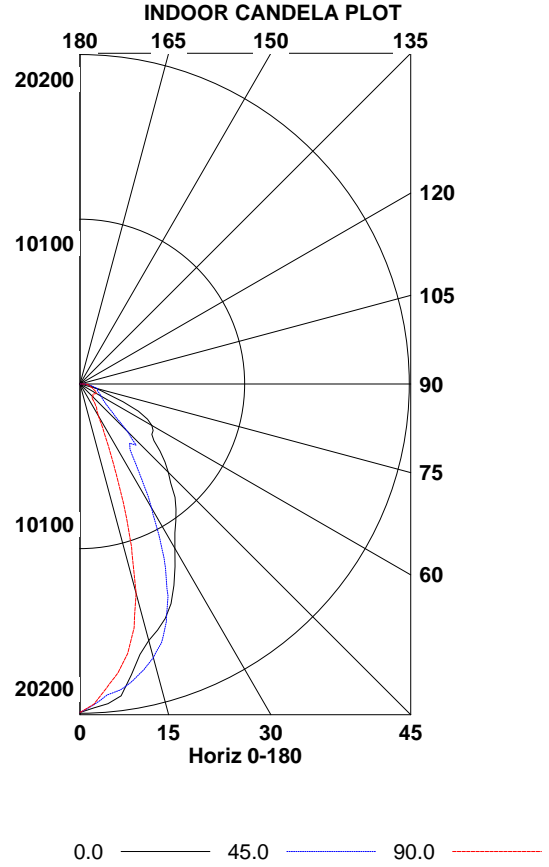
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.70
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	11276	45.3	45.3
0-40	15240	61.2	61.2
0-60	20981	84.3	84.3
0-90	24836	99.8	99.8
90-120	61	0.2	0.2
90-130	61	0.2	0.2
90-150	61	0.2	0.2
90-180	61	0.2	0.2
0-180	24896	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	153862	153862	153862	153862	153862
30	102636	114659	77286	30846	20137
40	90355	91342	47237	13731	11777
45	82664	73493	44789	12769	12099
50	76057	73300	27797	14285	12145
55	71664	66683	23506	15076	14011
60	77764	58239	22749	18639	17539
65	71361	52870	23299	22359	18907
70	40716	49002	25127	23541	18917
75	29278	51178	32909	25737	20572
80	28682	77557	33301	31674	25339
85	39092	82653	44175	49610	46104



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	80%				70%				50%				30%				10%			
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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
R	4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	59		
C	5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	53		
R	6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	48		
	7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	44		
	8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	41		
	9	64	52	45	40	63	52	45	40	50	44	40	49	44	39	49	43	38		
	10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	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: _____

LUMINAIRE: LLHP2-50-H-A-EDU
LLHP Led High Bay, Industrial
11" x 24" Led with aisle distribution optics

TEST #5763
DATE: 9/14/2012

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	20142*	20142	20142	20142	20142
2.5	19874	19829	19681	19609	19651
5.0	19675	19557	19132	18751	18712
7.5	19288	19439	18920	18085	17862
10.0	18115	18879	18502	17239	16804
12.5	16979	18279	17982	16037	15331
15.0	16283	17921	17379	14575	13291
17.5	15819	17615	16623	12924	10549
20.0	15297	17150	15503	10879	7839
22.5	14580	16351	14091	8868	5476
25.0	13628	15292	12394	6895	3941
27.5	12615	14158	10516	4945	2944
30.0	11636	12999	8762	3497	2283
32.5	10823	11941	7171	2644	1918
35.0	10243	10925	5933	2099	1785
37.5	9672	9980	5029	1686	1498
40.0	9061	9160	4737	1377	1181
42.5	8233	7873	5079	1242	1088
45.0	7652	6803	4146	1182	1120
47.5	7065	6359	2929	1179	1096
50.0	6400	6168	2339	1202	1022
52.5	5709	5781	1975	1166	1010
55.0	5381	5007	1765	1132	1052
57.5	5312	4178	1611	1176	1112
60.0	5090	3812	1489	1220	1148
62.5	4665	3452	1394	1269	1125
65.0	3948	2925	1289	1237	1046
67.5	2856	2440	1184	1148	928
70.0	1823	2194	1125	1054	847
72.5	1334	2128	1119	957	784
75.0	992	1734	1115	872	697
77.5	763	1579	898	785	614
80.0	652	1763	757	720	576
82.5	554	1601	631	646	557
85.0	446	943	504	566	526
87.5	379	589	396	430	431
90.0	151	358	231	236	208
92.5	36	77	50	71	103
95.0	13	7	15	24	75
97.5	0	0	0	7	37
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