

**LUMINAIRE:** PEL4-50MX-HE-NL-EDU  
 Peloton Led Highbay, Industrial  
 4' Linear, Dual-Segment LED w/ 6 LED Boards with No Lens  
**BALLAST:** XI095C275V054BSF1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 38568  
**WATTS:** 221.80  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.30 90° = 1.29  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 3.78  
 WIDTH: 1.42  
 HEIGHT: 0.08

TEST #20581

DATE: 4/10/2018

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 174**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.38**

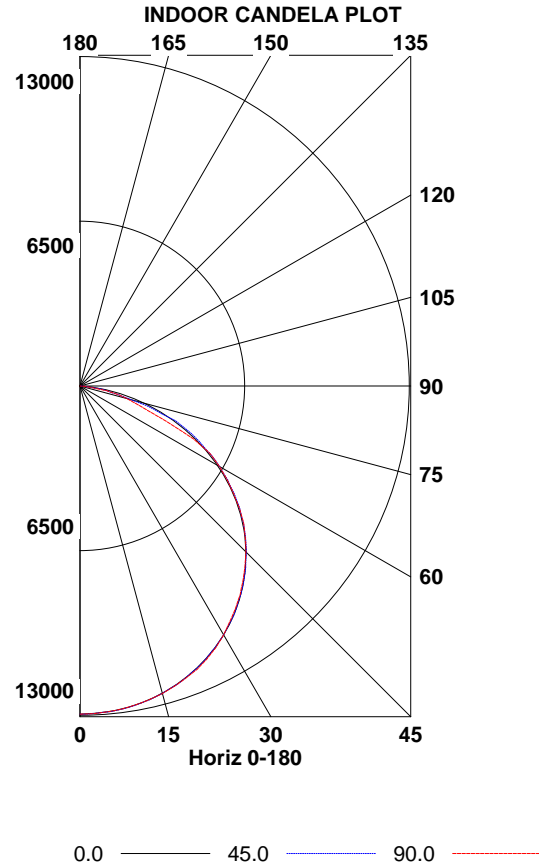
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	10234	26.5	26.5
0-40	16949	43.9	43.9
0-60	30698	79.6	79.6
0-90	38563	100.0	100.0
90-120	5	0.0	0.0
90-130	5	0.0	0.0
90-150	5	0.0	0.0
90-180	5	0.0	0.0
0-180	38568	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	25965	25965	25965	25965	25965
30	25939	25602	25442	25315	25427
40	25852	25363	25167	24998	25019
45	25714	25164	24972	24750	24858
50	25458	24830	24652	24427	24642
55	24974	24256	24124	23864	23942
60	24204	23393	23319	23065	23218
65	23049	22178	22114	21927	20973
70	21361	20414	20486	15744	14674
75	18793	17754	13515	12054	12260
80	14734	13120	9568	9481	9365
85	8819	5714	3820	2523	2519



**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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
R	4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	50
C	5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	43
R	6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	37
	7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	33
	8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	29
	9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	26
	10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	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: PEL4-50MX-HE-NL-EDU**

Peloton Led Highbay, Industrial

4' Linear, Dual-Segment LED w/ 6 LED Boards with No Lens

TEST #20581  
DATE: 4/10/2018

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	12948*	12948	12948	12948	12948
2.5	12933	12938	12938	12941	12938
5.0	12898	12906	12908	12908	12903
7.5	12848	12851	12856	12856	12848
10.0	12773	12776	12778	12778	12773
12.5	12672	12671	12680	12673	12678
15.0	12547	12546	12558	12549	12563
17.5	12402	12401	12410	12399	12418
20.0	12231	12231	12243	12229	12253
22.5	12051	12044	12053	12037	12093
25.0	11835	11824	11837	11819	11873
27.5	11600	11582	11600	11577	11628
30.0	11339	11319	11335	11312	11338
32.5	11048	11035	11047	11030	11013
35.0	10743	10720	10742	10718	10703
37.5	10407	10385	10412	10388	10384
40.0	10051	10023	10056	10031	10009
42.5	9665	9643	9679	9652	9634
45.0	9259	9238	9288	9252	9259
47.5	8828	8804	8866	8830	8849
50.0	8366	8349	8418	8391	8429
52.5	7875	7859	7950	7911	7934
55.0	7359	7345	7440	7412	7399
57.5	6817	6810	6914	6897	6879
60.0	6256	6248	6366	6350	6354
62.5	5675	5676	5789	5794	5789
65.0	5078	5086	5208	5217	4954
67.5	4466	4479	4613	4090	3789
70.0	3855	3875	4020	3129	2890
72.5	3233	3260	3052	2342	2315
75.0	2617	2643	2101	1905	1915
77.5	2005	2046	1473	1496	1505
80.0	1429	1401	1086	1101	1070
82.5	907	685	728	504	460
85.0	476	365	270	185	180
87.5	160	112	108	107	105
90.0	10	27	23	15	5
92.5	0	10	10	7	0
95.0	0	0	10	2	0
97.5	0	0	3	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