

LUMINAIRE: PEL4-40MH-HE-NL-EDU

Peloton Led Highbay, Industrial
4' Linear, Dual-Segment LED w/ 6 LED Boards with No Lens

BALLAST: XI190C275V054BSG1

BALLAST FACTOR: 1.00

LAMP:

FIXTURE LUMENS: 26766

WATTS: 150.78

SHIELDING ANGLE: 0° = 0 90° = 0

SPACING CRITERION: 0° = 1.30 90° = 1.29

LUMINOUS OPENING IN FEET

LENGTH: 3.78

WIDTH: 1.42

HEIGHT: 0.08

TEST #18.00588

DATE: 4/12/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 178

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.36

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

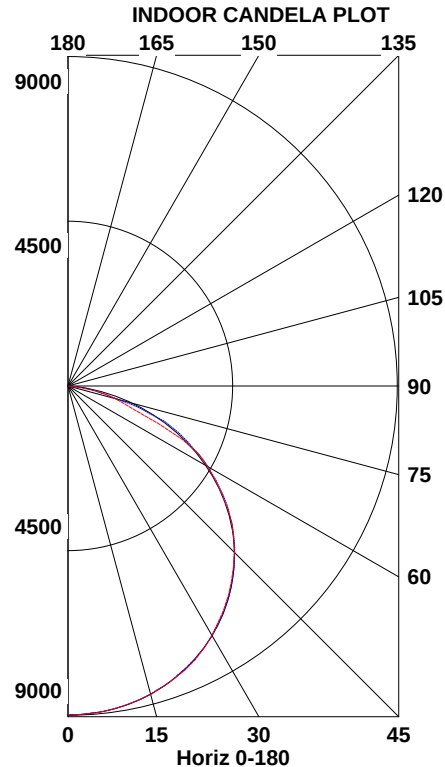
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	7103	26.5	26.5
0-40	11763	43.9	43.9
0-60	21306	79.6	79.6
0-90	26764	100.0	100.0
90-120	2	0.0	0.0
90-130	2	0.0	0.0
90-150	2	0.0	0.0
90-180	2	0.0	0.0
0-180	26766	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	18024	18024	18024	18024	18024
30	18013	17769	17651	17569	17645
40	17943	17597	17466	17344	17367
45	17858	17461	17326	17174	17258
50	17674	17229	17111	16954	17111
55	17345	16835	16747	16572	16613
60	16803	16246	16172	16011	16129
65	16005	15393	15358	15185	14559
70	14867	14187	14213	10894	10099
75	13041	12313	9314	8410	8515
80	10187	9150	6678	6605	6520
85	6040	3945	2589	1704	1610

CANDELA/SQ M



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	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%	
R C R	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
	4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
	5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
	6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
	7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
	8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
	9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	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: PEL4-40MH-HE-NL-EDU

Peloton Led Highbay, Industrial

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

TEST #18.00588

DATE: 4/12/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	8988*	8988	8988	8988	8988
2.5	8977	8980	8977	8983	8978
5.0	8957	8955	8957	8960	8958
7.5	8922	8915	8920	8920	8923
10.0	8872	8865	8870	8868	8863
12.5	8802	8793	8802	8795	8798
15.0	8717	8708	8715	8708	8723
17.5	8616	8605	8612	8608	8618
20.0	8496	8490	8495	8488	8503
22.5	8371	8356	8362	8353	8388
25.0	8220	8203	8215	8203	8243
27.5	8060	8041	8052	8034	8063
30.0	7874	7856	7864	7851	7868
32.5	7673	7656	7667	7654	7643
35.0	7463	7439	7454	7437	7428
37.5	7227	7206	7227	7209	7203
40.0	6976	6954	6979	6960	6948
42.5	6711	6692	6721	6700	6693
45.0	6430	6410	6444	6420	6428
47.5	6129	6112	6156	6133	6138
50.0	5808	5793	5843	5824	5853
52.5	5467	5453	5516	5486	5503
55.0	5111	5098	5165	5147	5134
57.5	4734	4724	4795	4785	4774
60.0	4343	4339	4415	4408	4414
62.5	3942	3942	4020	4023	4019
65.0	3526	3530	3617	3613	3439
67.5	3110	3110	3207	2847	2644
70.0	2683	2693	2789	2165	1989
72.5	2247	2263	2124	1623	1615
75.0	1816	1833	1448	1329	1330
77.5	1389	1421	1026	1039	1050
80.0	988	977	758	767	745
82.5	627	467	508	337	310
85.0	326	252	183	125	115
87.5	110	77	73	75	75
90.0	0	17	15	10	0
92.5	0	2	5	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