

LUMINAIRE: PEL4-40MV-NL-EDU

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

BALLAST: XI190C275V054BSG1

BALLAST FACTOR: 1.00

LAMP: Led

FIXTURE LUMENS: 32216

WATTS: 198.90

MOUNTING: Pendant

SHIELDING ANGLE: 0° = 90 90° = 90

SPACING CRITERION: 0° = 1.30 90° = 1.30

LUMINOUS OPENING IN FEET

LENGTH: 3.79

WIDTH: 1.42

HEIGHT: 0.08

TEST #18.00634

DATE: 4/20/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 162

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.48

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

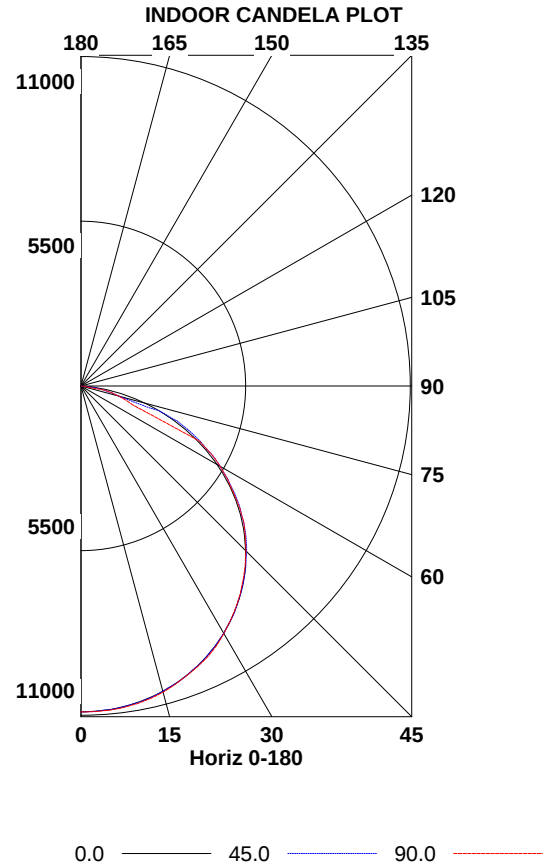
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8607	26.7	26.7
0-40	14257	44.3	44.3
0-60	25832	80.2	80.2
0-90	32211	100.0	100.0
90-120	4	0.0	0.0
90-130	4	0.0	0.0
90-150	4	0.0	0.0
90-180	4	0.0	0.0
0-180	32216	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	21767	21767	21767	21767	21767
30	21751	21486	21330	21246	21336
40	21678	21289	21120	20997	21004
45	21529	21124	20965	20806	20859
50	21322	20827	20718	20554	20702
55	20892	20343	20261	20109	20110
60	20214	19614	19612	19455	19560
65	19288	18638	18656	18546	18460
70	17886	17210	17333	17333	17210
75	15674	15070	15070	15070	15070
80	12282	11603	11603	11603	11603
85	7321	4373	4373	4373	4373

CANDELA/SQ M



COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

RC	80%																	
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
RW	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	100
	1	109	104	100	97	106	102	98	95	98	95	92	94	92	89	90	88	84
	2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	70
	3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	59
R	4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	50
C	5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	43
R	6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	38
	7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	33
	8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	30
	9	56	43	34	29	55	42	34	29	41	34	29	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: PEL4-40MV-NL-EDU

Peloton Led Highbay, Industrial

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

TEST #18.00634

DATE: 4/20/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	10883*	10883	10883	10883	10883
2.5	10873	10876	10873	10876	10883
5.0	10848	10848	10848	10851	10868
7.5	10803	10803	10803	10811	10833
10.0	10738	10741	10741	10748	10773
12.5	10657	10658	10663	10661	10693
15.0	10552	10553	10558	10551	10588
17.5	10432	10431	10431	10426	10453
20.0	10286	10291	10288	10286	10298
22.5	10136	10134	10133	10126	10149
25.0	9950	9946	9948	9944	9984
27.5	9754	9746	9753	9739	9789
30.0	9533	9524	9528	9519	9539
32.5	9293	9279	9291	9282	9284
35.0	9032	9017	9033	9022	9019
37.5	8751	8734	8756	8745	8744
40.0	8450	8435	8461	8448	8425
42.5	8134	8115	8148	8133	8110
45.0	7772	7775	7818	7798	7790
47.5	7406	7405	7468	7451	7445
50.0	7025	7021	7093	7079	7100
52.5	6598	6596	6695	6679	6681
55.0	6172	6176	6265	6262	6231
57.5	5720	5711	5828	5827	5801
60.0	5238	5252	5368	5370	5367
62.5	4757	4772	4895	4901	4897
65.0	4260	4285	4405	4424	4372
67.5	3748	3780	3908	3629	2618
70.0	3236	3275	3410	1913	1819
72.5	2709	2758	2715	1569	1579
75.0	2188	2249	1290	1309	1314
77.5	1676	1751	1020	1049	1064
80.0	1194	1242	773	789	799
82.5	758	462	538	172	175
85.0	396	280	138	160	160
87.5	135	77	105	100	95
90.0	10	20	20	10	0
92.5	0	10	10	5	0
95.0	0	0	10	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