

LUMINAIRE: PEL4-50HH-NL-EDU

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

BALLAST: XI190C275V054BSG1

BALLAST FACTOR: 1.00

LAMP: Led

FIXTURE LUMENS: 66245

WATTS: 410.20

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 #20493

DATE: 4/11/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 161

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

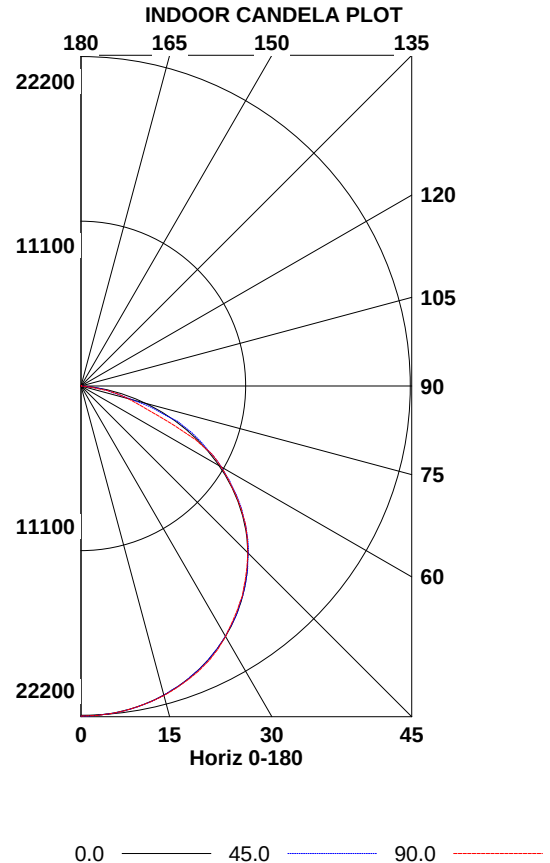
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	17581	26.5	26.5
0-40	29116	44.0	44.0
0-60	52729	79.6	79.6
0-90	66228	100.0	100.0
90-120	12	0.0	0.0
90-130	16	0.0	0.0
90-150	17	0.0	0.0
90-180	17	0.0	0.0
0-180	66245	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	44605	44605	44605	44605	44605
30	44563	43982	43704	43488	43702
40	44408	43568	43227	42935	42984
45	44174	43211	42879	42494	42714
50	43734	42624	42338	41934	42318
55	42889	41639	41452	40999	41141
60	41564	40155	40037	39599	39900
65	39594	38090	37977	37591	35914
70	36721	35044	35147	27036	25194
75	32149	30417	23209	20698	21005
80	25066	22476	16422	16275	15981
85	14674	9736	6621	4336	4339

CANDELA/SQ M



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

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	96	106	102	98	95	98	95	92	94	91	89	90	88	84
	2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	70
	3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	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: PEL4-50HH-NL-EDU

Peloton Led Highbay, Industrial

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

TEST #20493

DATE: 4/11/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	22243*	22243	22243	22243	22243
2.5	22222	22223	22227	22230	22233
5.0	22167	22165	22172	22170	22172
7.5	22077	22073	22082	22083	22082
10.0	21942	21938	21955	21950	21947
12.5	21776	21760	21785	21768	21792
15.0	21561	21548	21572	21551	21597
17.5	21315	21301	21314	21296	21347
20.0	21024	21006	21029	21007	21062
22.5	20704	20681	20706	20677	20772
25.0	20338	20309	20334	20300	20412
27.5	19927	19897	19926	19883	19982
30.0	19480	19445	19471	19433	19487
32.5	18989	18950	18980	18944	18926
35.0	18458	18413	18452	18410	18391
37.5	17886	17836	17882	17843	17846
40.0	17265	17217	17272	17229	17196
42.5	16603	16558	16631	16575	16551
45.0	15906	15863	15948	15885	15910
47.5	15169	15124	15233	15171	15200
50.0	14372	14332	14457	14405	14475
52.5	13530	13493	13654	13583	13620
55.0	12638	12609	12784	12734	12714
57.5	11710	11690	11873	11840	11804
60.0	10743	10725	10930	10902	10919
62.5	9745	9749	9947	9953	9948
65.0	8723	8735	8944	8944	8483
67.5	7670	7691	7923	7031	6507
70.0	6627	6652	6897	5373	4962
72.5	5554	5590	5244	4035	3996
75.0	4477	4528	3608	3271	3281
77.5	3429	3509	2542	2564	2586
80.0	2431	2400	1864	1890	1826
82.5	1529	1166	1243	863	800
85.0	792	622	468	318	310
87.5	266	190	185	184	180
90.0	10	45	43	25	10
92.5	0	17	18	10	0
95.0	0	10	10	10	0
97.5	0	3	10	9	0
100.0	0	0	8	4	0
102.5	0	0	0	1	0
105.0	0	0	0	1	0
107.5	0	0	0	1	0
110.0	0	0	0	1	0
112.5	0	0	0	1	0
115.0	0	0	0	1	0
117.5	0	0	0	1	0
120.0	0	0	0	1	0
122.5	0	0	0	1	0
125.0	0	0	0	2	0
127.5	10	10	10	10	10
130.0	10	10	10	10	10
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