

LUMINAIRE: PEL4-40HM-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: 50451

WATTS: 297.30

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 #18.00585

DATE: 4/10/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 170

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.41

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

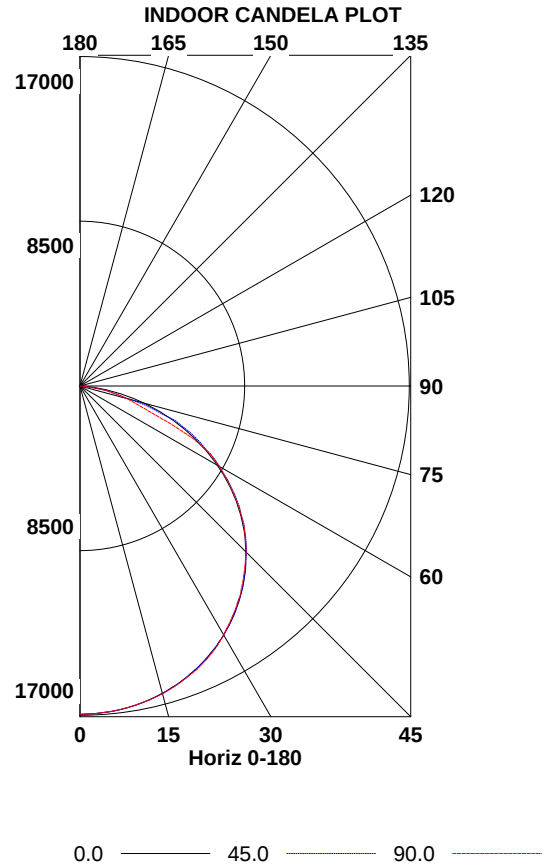
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	13389	26.5	26.5
0-40	22173	44.0	44.0
0-60	40158	79.6	79.6
0-90	50442	100.0	100.0
90-120	8	0.0	0.0
90-130	8	0.0	0.0
90-150	8	0.0	0.0
90-180	8	0.0	0.0
0-180	50451	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	33973	33973	33973	33973	33973
30	33937	33503	33280	33123	33272
40	33823	33182	32918	32703	32720
45	33640	32911	32662	32361	32526
50	33306	32477	32249	31952	32246
55	32667	31722	31562	31231	31339
60	31655	30597	30495	30163	30366
65	30153	29020	28924	28660	27370
70	27977	26705	26785	20681	19091
75	24480	23195	17702	15781	16005
80	19127	17175	12537	12409	12384
85	11246	7435	4994	3272	3219

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	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	62	57	52	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: PEL4-40HM-HE-NL-EDU

Peloton Led Highbay, Industrial

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

TEST #18.00585

DATE: 4/10/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	16941*	16941	16941	16941	16941
2.5	16926	16926	16926	16926	16926
5.0	16880	16886	16883	16886	16886
7.5	16810	16811	16816	16816	16816
10.0	16710	16708	16720	16716	16711
12.5	16585	16576	16588	16579	16591
15.0	16419	16414	16428	16409	16446
17.5	16229	16221	16235	16219	16256
20.0	16013	16001	16013	15997	16036
22.5	15767	15751	15767	15742	15821
25.0	15487	15469	15482	15458	15536
27.5	15181	15157	15175	15143	15216
30.0	14835	14812	14827	14801	14836
32.5	14464	14432	14454	14424	14416
35.0	14058	14023	14049	14022	14001
37.5	13622	13585	13619	13587	13586
40.0	13150	13113	13153	13123	13090
42.5	12644	12614	12665	12624	12595
45.0	12113	12082	12148	12097	12115
47.5	11551	11517	11600	11553	11580
50.0	10945	10920	11012	10976	11030
52.5	10303	10280	10399	10347	10375
55.0	9626	9606	9734	9700	9685
57.5	8919	8906	9043	9016	8990
60.0	8182	8172	8325	8304	8310
62.5	7425	7425	7575	7580	7575
65.0	6643	6655	6812	6819	6465
67.5	5846	5861	6034	5336	4970
70.0	5049	5069	5256	4110	3760
72.5	4226	4260	3985	3069	3035
75.0	3409	3453	2752	2494	2500
77.5	2617	2673	1931	1960	1970
80.0	1855	1834	1423	1441	1415
82.5	1168	887	948	654	590
85.0	607	475	353	240	230
87.5	206	150	143	140	140
90.0	10	37	33	17	5
92.5	0	10	10	10	0
95.0	0	10	10	10	0
97.5	0	0	10	5	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