

LUMINAIRE: PEL2-50LH-HE-NL-EDU

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

BALLAST: XI095C275V054BSF1

BALLAST FACTOR: 1.00

LAMP: Led

FIXTURE LUMENS: 8482

WATTS: 48.63

MOUNTING: Pendant

SHIELDING ANGLE: 0° = 90 90° = 90

SPACING CRITERION: 0° = 1.30 90° = 1.30

LUMINOUS OPENING IN FEET

LENGTH: 1.96

WIDTH: 1.42

HEIGHT: 0.08

TEST #20502

DATE: 4/18/2018

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 = \$1.39

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

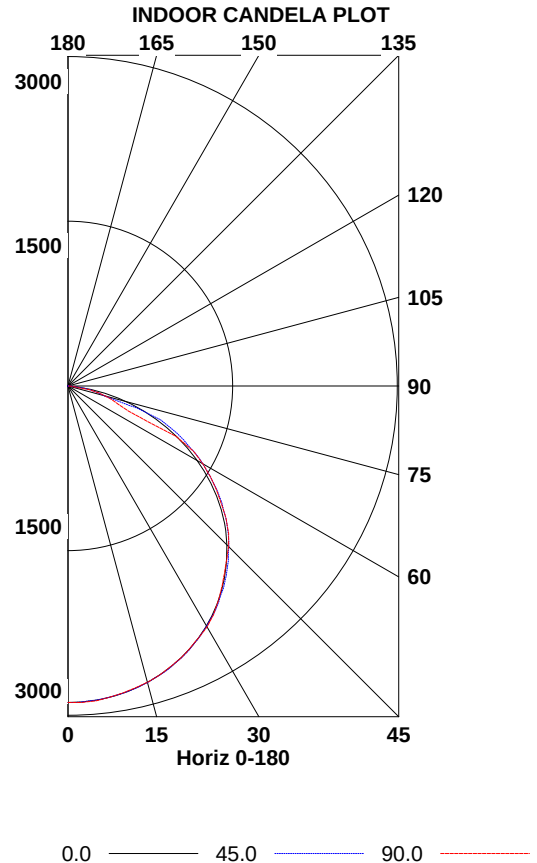
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2279	26.9	26.9
0-40	3777	44.5	44.5
0-60	6836	80.6	80.6
0-90	8479	100.0	100.0
90-120	3	0.0	0.0
90-130	3	0.0	0.0
90-150	3	0.0	0.0
90-180	3	0.0	0.0
0-180	8482	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	11146	11146	11146	11146	11146
30	11003	10894	10850	10861	10955
40	10866	10725	10712	10730	10692
45	10752	10585	10594	10630	10713
50	10551	10385	10439	10473	10600
55	10251	10077	10181	10219	10303
60	9803	9631	9802	9852	10000
65	9197	9037	9252	9318	8859
70	8317	8198	8514	4701	4779
75	7015	6999	3996	4199	4358
80	5118	4867	3286	3477	3426
85	2542	1905	1019	1151	1161

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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59
R	4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	51
C	5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	44
R	6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	38
	7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	33
	8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	30
	9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	27
	10	53	39	32	26	51	39	31	26	38	31	26	37	31	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: _____

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TEST #20502

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	2882	2882	2882	2882	2882
2.5	2880	2880	2880	2880	2885*
5.0	2873	2873	2873	2872	2878
7.5	2861	2860	2860	2860	2862
10.0	2844	2843	2843	2845	2841
12.5	2822	2820	2822	2824	2818
15.0	2794	2793	2797	2797	2793
17.5	2761	2760	2764	2765	2762
20.0	2724	2723	2727	2726	2722
22.5	2682	2682	2685	2685	2683
25.0	2634	2635	2637	2637	2634
27.5	2581	2582	2584	2585	2582
30.0	2522	2523	2526	2527	2533
32.5	2458	2460	2464	2464	2469
35.0	2387	2390	2396	2397	2387
37.5	2307	2313	2323	2324	2303
40.0	2226	2230	2244	2246	2218
42.5	2137	2142	2161	2162	2140
45.0	2046	2050	2070	2075	2069
47.5	1949	1953	1979	1981	1984
50.0	1839	1848	1877	1881	1880
52.5	1727	1739	1771	1776	1759
55.0	1609	1621	1658	1662	1651
57.5	1487	1500	1540	1545	1537
60.0	1357	1373	1418	1423	1419
62.5	1227	1244	1291	1297	1288
65.0	1093	1113	1160	1166	1085
67.5	955	978	1027	819	596
70.0	818	843	895	493	488
72.5	679	707	624	422	423
75.0	541	572	336	352	353
77.5	408	442	270	283	287
80.0	283	292	205	216	203
82.5	173	118	144	50	50
85.0	84	72	41	46	43
87.5	19	25	32	27	23
90.0	2	7	9	5	0
92.5	0	4	4	3	0
95.0	0	3	3	2	0
97.5	0	1	3	2	0
100.0	0	1	2	1	0
102.5	0	0	1	1	0
105.0	0	0	1	1	0
107.5	0	0	1	1	0
110.0	0	0	1	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	1	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