

LUMINAIRE: PEL2-50ML-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: 16879

WATTS: 99.50

MOUNTING: Pendant

SHIELDING ANGLE: 0° = 90 90° = 90

SPACING CRITERION: 0° = 1.30 90° = 1.30

LUMINOUS OPENING IN FEET

LENGTH: 3.78

WIDTH: 1.42

HEIGHT: 0.08

TEST #20444

DATE: 6/6/2018

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 = \$1.42

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

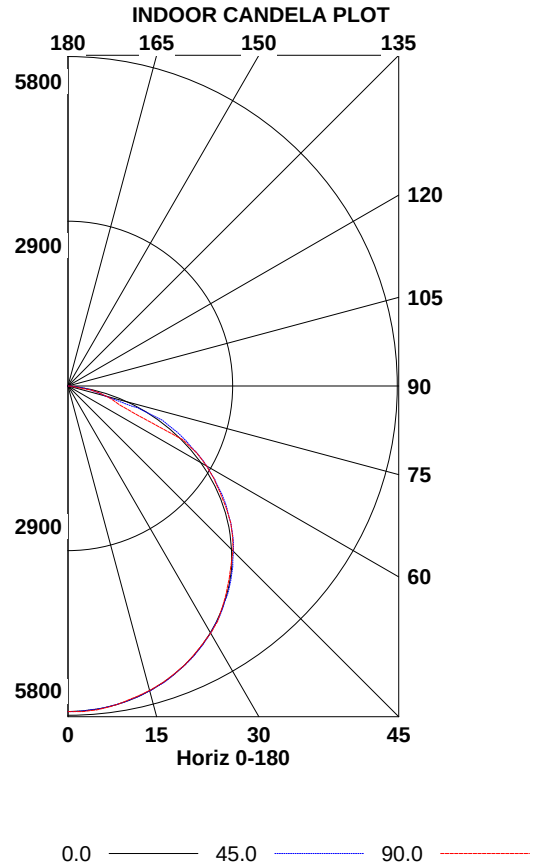
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	4531	26.8	26.8
0-40	7508	44.5	44.5
0-60	13592	80.5	80.5
0-90	16872	100.0	100.0
90-120	7	0.0	0.0
90-130	7	0.0	0.0
90-150	7	0.0	0.0
90-180	7	0.0	0.0
0-180	16879	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	11493	11493	11493	11493	11493
30	11475	11343	11274	11243	11271
40	11433	11246	11162	11119	11038
45	11309	11133	11080	11027	11026
50	11137	10936	10956	10882	10937
55	10853	10634	10707	10628	10588
60	10450	10210	10326	10261	10308
65	9850	9628	9779	9738	9386
70	9004	8814	9030	5107	4920
75	7698	7604	4361	4429	4481
80	5784	5591	3577	3686	3693
85	3001	2223	1118	1214	1190

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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	85
	2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	71
	3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	59
R	4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	50
C	5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	43
R	6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	38
	7	65	51	42	36	63	50	42	36	49	41	36	47	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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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	5731	5731	5731	5731	5731
2.5	5727	5726	5726	5726	5738*
5.0	5713	5712	5712	5712	5725
7.5	5688	5687	5688	5688	5693
10.0	5654	5653	5654	5656	5649
12.5	5610	5608	5612	5614	5601
15.0	5556	5553	5560	5561	5550
17.5	5492	5488	5496	5496	5489
20.0	5416	5414	5421	5421	5410
22.5	5331	5331	5337	5338	5332
25.0	5236	5236	5242	5244	5231
27.5	5131	5130	5138	5139	5125
30.0	5016	5015	5023	5024	5026
32.5	4888	4888	4897	4898	4907
35.0	4748	4750	4761	4764	4743
37.5	4601	4602	4616	4619	4581
40.0	4445	4444	4460	4462	4416
42.5	4268	4274	4295	4295	4255
45.0	4072	4087	4121	4122	4107
47.5	3872	3890	3940	3936	3932
50.0	3660	3677	3741	3738	3741
52.5	3436	3453	3525	3527	3504
55.0	3198	3220	3302	3301	3272
57.5	2954	2976	3066	3069	3052
60.0	2701	2727	2819	2825	2821
62.5	2438	2471	2563	2574	2557
65.0	2170	2208	2303	2317	2217
67.5	1897	1942	2036	1727	1274
70.0	1625	1673	1772	1015	969
72.5	1348	1401	1306	837	840
75.0	1072	1132	678	700	700
77.5	809	873	534	564	570
80.0	561	597	406	428	422
82.5	341	231	286	98	95
85.0	162	142	79	89	85
87.5	34	49	63	53	47
90.0	4	13	17	9	1
92.5	0	8	8	5	0
95.0	0	5	7	4	0
97.5	0	3	5	3	0
100.0	0	2	4	3	0
102.5	0	1	3	2	0
105.0	0	1	2	2	0
107.5	0	1	2	1	0
110.0	0	1	1	1	0
112.5	0	1	1	1	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