

LUMINAIRE: PEL2-40MH-NL-EDU

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

BALLAST: XI190C275V054BSG1

BALLAST FACTOR: 1.00

LAMP: Led

FIXTURE LUMENS: 26594

WATTS: 158.46

MOUNTING: Pendant

SHIELDING ANGLE: 0° = 90 90° = 90

SPACING CRITERION: 0° = 1.30 90° = 1.29

LUMINOUS OPENING IN FEET

LENGTH: 1.96

WIDTH: 1.42

HEIGHT: 0.08

TEST #18.00534

DATE: 4/6/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 168

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.43

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

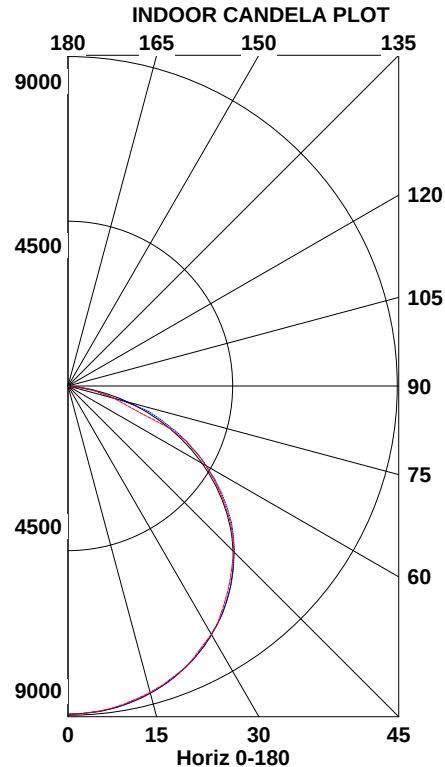
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	7079	26.6	26.6
0-40	11725	44.1	44.1
0-60	21204	79.7	79.7
0-90	26588	100.0	100.0
90-120	6	0.0	0.0
90-130	6	0.0	0.0
90-150	6	0.0	0.0
90-180	6	0.0	0.0
0-180	26594	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	34664	34664	34664	34664	34664
30	34236	33810	33697	33691	33874
40	33955	33363	33218	33217	33239
45	33526	32953	32892	32863	33225
50	32877	32297	32417	32332	32696
55	31946	31275	31524	31474	31715
60	30587	29855	30214	30249	30613
65	28677	27873	28339	28594	29165
70	25998	25166	25836	22426	19662
75	21863	21230	17840	15521	16051
80	15933	15719	11460	12007	12693
85	7867	5952	4425	3503	2834

CANDELA/SQ M



0.0 ——— 45.0 ——— 90.0 ——— 180.0

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	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
R	4	82	70	62	55	80	69	61	54	67	59	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	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	38
	7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	33
	8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	29
	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: _____

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	8963*	8963	8963	8963	8963
2.5	8957	8952	8958	8957	8958
5.0	8937	8932	8935	8935	8928
7.5	8897	8892	8895	8895	8888
10.0	8847	8842	8845	8840	8823
12.5	8777	8770	8775	8770	8743
15.0	8687	8685	8690	8680	8664
17.5	8587	8577	8587	8580	8569
20.0	8467	8460	8470	8462	8449
22.5	8337	8327	8340	8329	8340
25.0	8187	8177	8192	8184	8170
27.5	8027	8012	8025	8019	7986
30.0	7847	7830	7845	7839	7832
32.5	7646	7632	7647	7641	7637
35.0	7426	7415	7437	7429	7383
37.5	7196	7182	7205	7201	7144
40.0	6956	6937	6959	6953	6895
42.5	6676	6674	6699	6688	6636
45.0	6380	6382	6427	6415	6417
47.5	6070	6079	6137	6125	6108
50.0	5730	5747	5829	5807	5799
52.5	5385	5394	5492	5475	5425
55.0	5014	5031	5134	5119	5082
57.5	4634	4651	4761	4749	4723
60.0	4234	4256	4371	4369	4344
62.5	3833	3846	3969	3976	3956
65.0	3408	3433	3553	3578	3572
67.5	2982	3013	3133	3155	2989
70.0	2557	2588	2716	2352	2008
72.5	2122	2163	2283	1621	1579
75.0	1686	1735	1500	1301	1300
77.5	1271	1325	980	1013	1026
80.0	881	943	715	746	752
82.5	535	438	475	340	294
85.0	260	225	178	140	105
87.5	55	83	73	65	55
90.0	5	25	28	15	0
92.5	0	10	10	10	0
95.0	0	3	10	3	0
97.5	0	0	5	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