

LUMINAIRE: PEL2-35LX-NL-EDU
Peloton Led Highbay, Industrial
2' Linear, Dual-Segment w/ 4 LED Boards, No Lens
Data Scaled from Test# 18.00609
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 12602
WATTS: 78.26
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 #20412
DATE: 4/17/2018
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

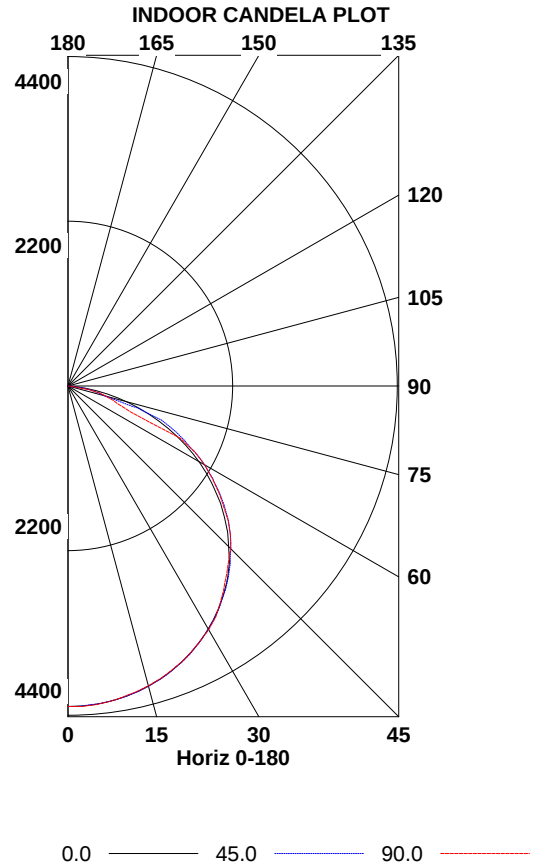
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	3385	26.9	26.9
0-40	5609	44.5	44.5
0-60	10152	80.6	80.6
0-90	12598	100.0	100.0
90-120	5	0.0	0.0
90-130	5	0.0	0.0
90-150	5	0.0	0.0
90-180	5	0.0	0.0
0-180	12602	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	16557	16557	16557	16557	16557
30	16348	16180	16116	16126	16258
40	16206	15962	15905	15928	15879
45	15938	15748	15753	15778	15896
50	15652	15415	15539	15545	15747
55	15177	14938	15124	15162	15283
60	14564	14282	14544	14602	14849
65	13623	13364	13695	13817	13594
70	12303	12136	12604	7018	7080
75	10387	10340	5935	6251	6482
80	7578	7418	4888	5150	5114
85	3752	2804	1491	1676	1728

CANDELA/SQ M



COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	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	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	87	87	85	85
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	73	73	71	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	62	59	59	59
R 4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	53	50	50	50
C 5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	46	43	43	43
R 6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	38	38	38
7	65	51	43	36	63	50	42	36	49	41	36	47	41	36	46	40	35	35	33	33	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	30	30	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	28	27	27	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	26	24	24	24

ZONAL CAVITY METHOD

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 #20412
DATE: 4/17/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	4281	4281	4281	4281	4281
2.5	4277	4277	4277	4277	4285*
5.0	4267	4266	4266	4266	4274
7.5	4249	4248	4249	4249	4251
10.0	4224	4222	4224	4225	4219
12.5	4190	4188	4192	4194	4185
15.0	4150	4148	4153	4154	4147
17.5	4102	4099	4106	4106	4100
20.0	4046	4044	4049	4049	4042
22.5	3982	3982	3987	3986	3983
25.0	3912	3912	3916	3916	3911
27.5	3833	3833	3838	3839	3834
30.0	3747	3747	3752	3752	3759
32.5	3651	3652	3659	3659	3666
35.0	3547	3548	3556	3559	3544
37.5	3436	3438	3448	3451	3418
40.0	3320	3319	3332	3334	3294
42.5	3190	3193	3208	3208	3177
45.0	3033	3050	3078	3080	3070
47.5	2894	2905	2942	2941	2943
50.0	2728	2743	2794	2792	2793
52.5	2566	2579	2633	2635	2612
55.0	2382	2403	2463	2466	2449
57.5	2208	2223	2291	2291	2281
60.0	2016	2036	2104	2109	2107
62.5	1818	1841	1914	1921	1908
65.0	1619	1646	1717	1729	1665
67.5	1417	1449	1520	1289	914
70.0	1210	1248	1325	736	723
72.5	1004	1045	974	626	628
75.0	801	845	499	524	525
77.5	604	652	399	421	427
80.0	419	445	305	320	303
82.5	256	173	214	74	72
85.0	124	106	60	67	64
87.5	28	37	47	38	34
90.0	3	10	12	7	0
92.5	0	6	6	4	0
95.0	0	4	5	3	0
97.5	0	2	4	2	0
100.0	0	1	3	2	0
102.5	0	1	2	2	0
105.0	0	0	1	1	0
107.5	0	0	1	1	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	1
130.0	0	0	0	0	1
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