

**LUMINAIRE:** PEL2-30LX-HE-NL-EDU  
 Peloton Led Highbay, Industrial  
 2' Linear, Dual-Segment w/ 4 LED Boards, No Lens  
 Data Scaled from Test# 18.00618  
**BALLAST:** XI095C275V054BSF1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 11984  
**WATTS:** 73.13  
**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 #20509

DATE: 4/19/2018

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 164**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.46**

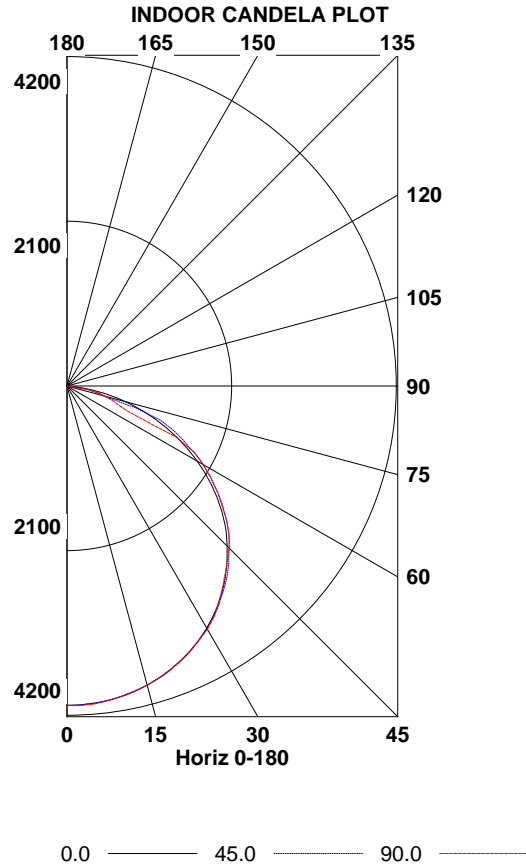
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	3221	26.9	26.9
0-40	5337	44.5	44.5
0-60	9659	80.6	80.6
0-90	11980	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	11984	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	15748	15748	15748	15748	15748
30	15554	15394	15335	15348	15484
40	15352	15155	15141	15159	15108
45	15182	14958	14975	15020	15134
50	14906	14668	14754	14793	14975
55	14476	14236	14381	14437	14559
60	13856	13616	13846	13916	14137
65	12992	12763	13073	13162	12484
70	11754	11582	12024	6646	6757
75	9907	9875	5661	5941	6149
80	7216	6868	4632	4909	4811
85	3540	2672	1442	1626	1674



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	RW	80%				70%				50%				30%				10%	0%	
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	85	85
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71	71	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59	59	59
R 4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51	51	51
C 5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44	44	44
R 6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38	38	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33	33	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30	30	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27	27	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	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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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	4072	4072	4072	4072	4072
2.5	4069	4069	4069	4069	4077*
5.0	4059	4059	4059	4059	4068
7.5	4042	4041	4041	4041	4045
10.0	4018	4017	4018	4020	4015
12.5	3987	3986	3988	3990	3982
15.0	3948	3947	3952	3952	3946
17.5	3901	3901	3906	3906	3903
20.0	3848	3848	3853	3853	3846
22.5	3789	3790	3793	3793	3792
25.0	3721	3723	3727	3727	3723
27.5	3646	3648	3651	3653	3649
30.0	3565	3565	3570	3571	3580
32.5	3473	3476	3482	3483	3490
35.0	3372	3377	3385	3387	3373
37.5	3259	3268	3282	3285	3255
40.0	3145	3151	3172	3173	3134
42.5	3020	3026	3053	3055	3025
45.0	2889	2897	2926	2932	2923
47.5	2754	2760	2797	2800	2803
50.0	2598	2610	2653	2657	2656
52.5	2441	2457	2502	2509	2486
55.0	2272	2290	2342	2348	2333
57.5	2102	2120	2177	2183	2172
60.0	1918	1941	2003	2010	2006
62.5	1733	1757	1823	1832	1821
65.0	1544	1572	1639	1647	1529
67.5	1350	1382	1452	1154	840
70.0	1156	1191	1264	697	690
72.5	959	999	878	596	598
75.0	764	807	476	498	498
77.5	577	624	382	399	406
80.0	399	412	289	305	285
82.5	244	165	203	72	71
85.0	117	101	58	65	62
87.5	26	36	45	38	32
90.0	3	9	12	7	1
92.5	0	6	6	4	0
95.0	0	4	5	3	0
97.5	0	2	4	3	0
100.0	0	1	3	2	0
102.5	0	1	2	2	0
105.0	0	1	1	1	0
107.5	0	0	1	1	0
110.0	0	0	1	1	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