

LUMINAIRE: PEL2-40ML-HE-NL-EDU
 Peloton Led Highbay, Industrial
 2' Linear, Dual-Segment LED w/ 6 LED Boards
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 16341
WATTS: 92.27
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 #18.00537
 DATE: 4/5/2018

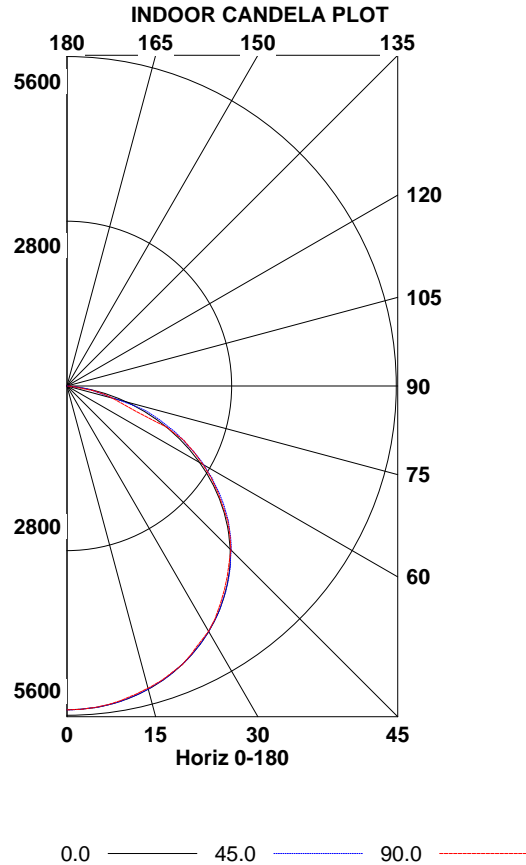
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 177
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.35
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	4348	26.6	26.6
0-40	7202	44.1	44.1
0-60	13026	79.7	79.7
0-90	16335	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	16341	100.0	100.0

AVERAGE LUMINANCE

ANGLE	AVERAGE LUMINANCE			CANDELA/SQ M		
	0.0	22.5	45.0	67.5	90.0	
0	21290	21290	21290	21290	21290	
30	21025	20765	20691	20690	20817	
40	20849	20498	20406	20399	20411	
45	20610	20246	20200	20179	20421	
50	20202	19838	19915	19866	20100	
55	19643	19222	19373	19343	19483	
60	18812	18351	18574	18583	18816	
65	17629	17148	17428	17573	17930	
70	15983	15481	15895	13673	11937	
75	13473	13068	10883	9556	9877	
80	9857	9685	7084	7420	7849	
85	4872	3704	2734	2127	1728	



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				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	71	65	88	78	70	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	52	50
C	5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
R	6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
	7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
	8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
	9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
	10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	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	5505*	5505	5505	5505	5505
2.5	5500	5500	5500	5500	5502
5.0	5487	5486	5487	5486	5485
7.5	5464	5463	5464	5462	5459
10.0	5431	5430	5432	5428	5419
12.5	5388	5387	5389	5385	5370
15.0	5336	5334	5336	5332	5319
17.5	5275	5270	5274	5270	5263
20.0	5202	5197	5201	5198	5190
22.5	5121	5116	5121	5117	5124
25.0	5030	5023	5029	5026	5019
27.5	4929	4921	4929	4925	4906
30.0	4819	4809	4817	4814	4813
32.5	4696	4687	4697	4693	4689
35.0	4562	4554	4566	4563	4536
37.5	4421	4413	4425	4421	4389
40.0	4271	4262	4275	4270	4234
42.5	4102	4101	4115	4108	4078
45.0	3922	3921	3947	3939	3944
47.5	3729	3735	3771	3760	3754
50.0	3521	3530	3581	3568	3565
52.5	3310	3315	3374	3364	3333
55.0	3083	3092	3155	3146	3122
57.5	2848	2859	2927	2919	2906
60.0	2604	2616	2687	2684	2670
62.5	2354	2365	2438	2443	2431
65.0	2095	2112	2185	2199	2196
67.5	1833	1853	1928	1939	1836
70.0	1572	1592	1671	1434	1219
72.5	1305	1329	1404	986	971
75.0	1039	1068	915	801	800
77.5	786	817	603	626	632
80.0	545	581	442	461	465
82.5	334	265	295	203	180
85.0	161	140	110	85	64
87.5	38	51	46	41	35
90.0	4	17	18	10	2
92.5	0	7	8	5	0
95.0	0	3	6	3	0
97.5	0	2	4	3	0
100.0	0	1	2	2	0
102.5	0	1	2	1	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	1	0
115.0	0	0	1	1	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	1	1	1	1	1
127.5	1	1	1	1	1
130.0	1	1	1	1	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