

LUMINAIRE: PEL2-50LX-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: 13154
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 #20413

DATE: 4/17/2018

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 = \$1.42

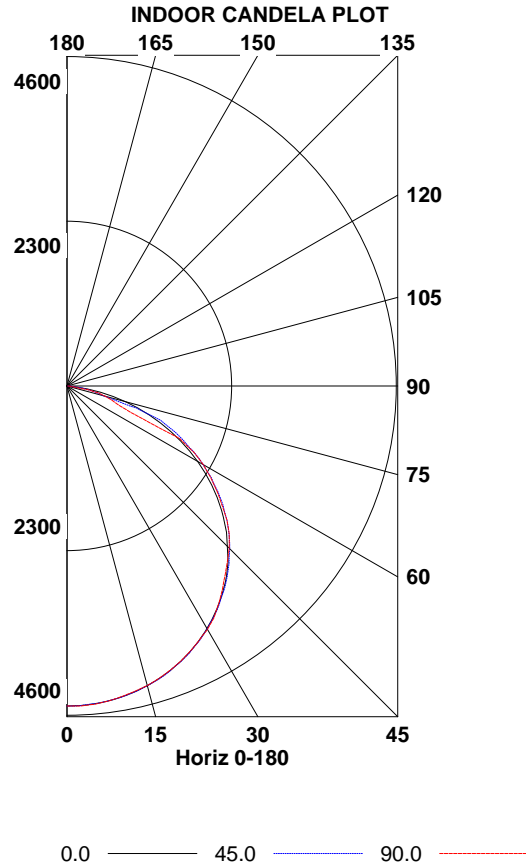
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	3533	26.9	26.9
0-40	5855	44.5	44.5
0-60	10597	80.6	80.6
0-90	13150	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	13154	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	17284	17284	17284	17284	17284
30	17063	16888	16821	16835	16972
40	16919	16665	16602	16625	16574
45	16637	16440	16444	16470	16595
50	16341	16089	16223	16224	16435
55	15839	15591	15787	15826	15951
60	15200	14907	15180	15239	15497
65	14221	13949	14293	14425	14190
70	12842	12671	13156	7323	7393
75	10841	10792	6197	6526	6766
80	7903	7751	5097	5376	5334
85	3903	2936	1566	1752	1809



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	80%				70%				50%				30%				10%			
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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71		
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59		
R	4	83	71	62	55	80	69	61	55	67	60	54	65	58	62	57	53	50		
C	5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44	
R	6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	
	7	65	51	43	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33	
	8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30	
	9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27	
	10	53	39	32	26	51	39	31	26	38	31	26	37	31	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	4469	4469	4469	4469	4469
2.5	4465	4465	4465	4465	4473*
5.0	4454	4453	4453	4453	4461
7.5	4435	4434	4435	4435	4437
10.0	4409	4407	4409	4410	4404
12.5	4374	4372	4376	4378	4368
15.0	4332	4330	4335	4336	4329
17.5	4282	4279	4286	4286	4280
20.0	4223	4221	4227	4227	4219
22.5	4157	4157	4162	4161	4158
25.0	4083	4083	4088	4088	4082
27.5	4001	4001	4006	4007	4002
30.0	3911	3911	3916	3917	3924
32.5	3811	3812	3819	3819	3827
35.0	3702	3704	3712	3715	3699
37.5	3587	3589	3599	3602	3568
40.0	3466	3465	3478	3480	3438
42.5	3330	3333	3349	3349	3316
45.0	3166	3184	3213	3215	3205
47.5	3021	3032	3071	3070	3072
50.0	2848	2863	2917	2914	2915
52.5	2678	2692	2748	2751	2727
55.0	2486	2508	2571	2574	2556
57.5	2305	2320	2391	2391	2381
60.0	2104	2125	2196	2201	2199
62.5	1898	1922	1998	2005	1992
65.0	1690	1718	1792	1805	1738
67.5	1479	1512	1587	1345	954
70.0	1263	1303	1383	768	755
72.5	1048	1091	1017	653	656
75.0	836	882	521	547	548
77.5	630	681	417	439	446
80.0	437	465	318	334	316
82.5	267	181	223	77	75
85.0	129	111	63	70	67
87.5	29	39	49	40	35
90.0	3	10	13	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