

LUMINAIRE: PEL2-50MM-HE-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: 19634
WATTS: 114.32
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 #20529

DATE: 4/6/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 172

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.40

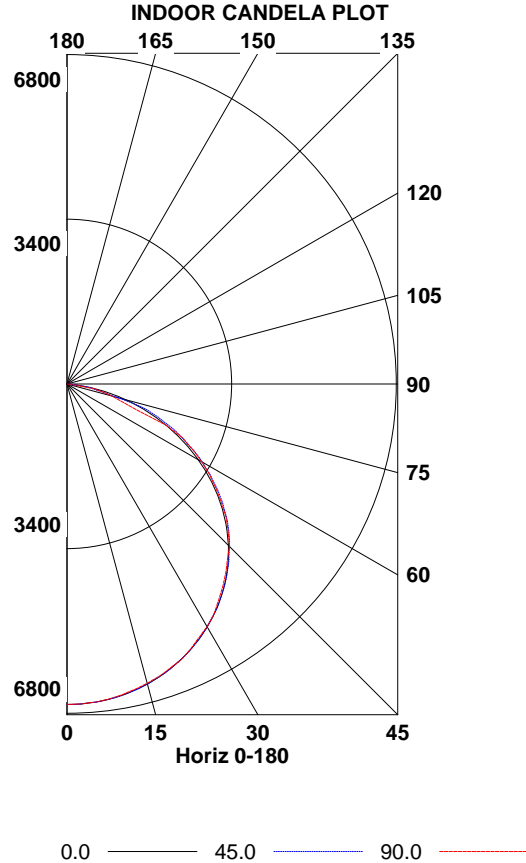
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5225	26.6	26.6
0-40	8655	44.1	44.1
0-60	15653	79.7	79.7
0-90	19627	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	19634	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	25587	25587	25587	25587	25587
30	25261	24954	24866	24859	25025
40	25052	24629	24521	24508	24566
45	24761	24325	24274	24246	24558
50	24276	23833	23931	23863	24188
55	23599	23088	23272	23229	23434
60	22590	22041	22313	22321	22636
65	21163	20590	20929	21098	21571
70	19186	18603	19091	16419	14394
75	16158	15687	13071	11477	11878
80	11828	11602	8495	8901	9452
85	5779	4444	3281	2552	2159



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	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	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	6616*	6616	6616	6616	6616
2.5	6610	6610	6610	6610	6612
5.0	6595	6593	6594	6593	6593
7.5	6566	6565	6567	6564	6561
10.0	6527	6525	6528	6524	6516
12.5	6475	6474	6476	6471	6458
15.0	6412	6410	6413	6408	6397
17.5	6338	6333	6338	6333	6328
20.0	6251	6246	6251	6246	6240
22.5	6154	6148	6154	6148	6160
25.0	6044	6037	6044	6039	6038
27.5	5923	5913	5924	5918	5902
30.0	5790	5779	5789	5784	5786
32.5	5643	5632	5644	5639	5640
35.0	5481	5473	5487	5482	5455
37.5	5312	5302	5318	5312	5279
40.0	5132	5121	5137	5130	5096
42.5	4928	4927	4945	4936	4905
45.0	4712	4711	4743	4733	4743
47.5	4481	4487	4532	4518	4515
50.0	4231	4241	4303	4286	4290
52.5	3975	3982	4054	4041	4012
55.0	3704	3714	3790	3778	3755
57.5	3422	3435	3516	3506	3495
60.0	3127	3142	3228	3224	3212
62.5	2827	2840	2929	2933	2924
65.0	2515	2536	2624	2640	2642
67.5	2201	2225	2315	2327	2209
70.0	1887	1913	2007	1722	1470
72.5	1567	1596	1686	1187	1170
75.0	1246	1282	1099	962	962
77.5	941	980	724	752	760
80.0	654	696	530	553	560
82.5	399	319	354	245	217
85.0	191	168	132	102	80
87.5	44	61	55	49	42
90.0	4	20	21	12	2
92.5	0	8	9	6	0
95.0	0	4	7	4	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	1	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	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