

LUMINAIRE: PEL2-50MM-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: 20350
WATTS: 122.90
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 #20425
 DATE: 5/17/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 166

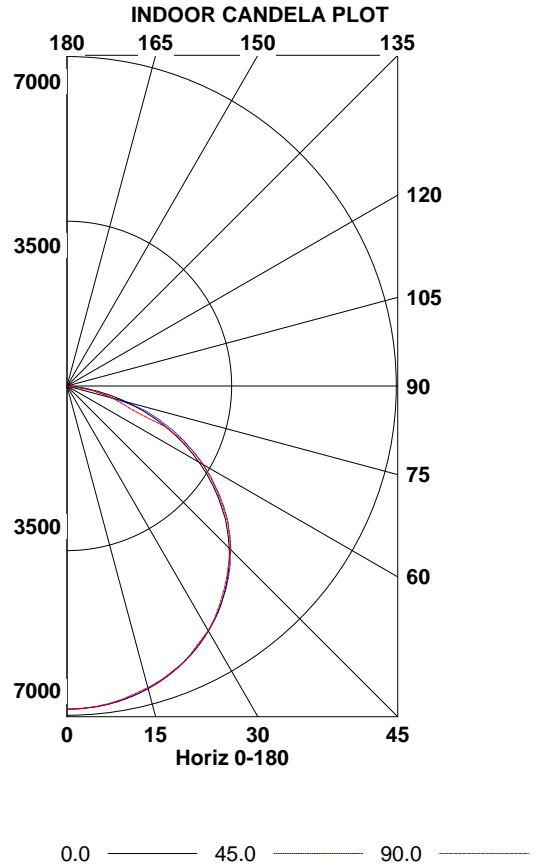
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.45
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5423	26.6	26.6
0-40	8982	44.1	44.1
0-60	16236	79.8	79.8
0-90	20342	100.0	100.0
90-120	8	0.0	0.0
90-130	8	0.0	0.0
90-150	9	0.0	0.0
90-180	9	0.0	0.0
0-180	20350	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	26554	26554	26554	26554	26554
30	26221	25899	25807	25809	25955
40	25930	25519	25452	25449	25463
45	25618	25161	25170	25173	25469
50	25205	24682	24793	24782	25090
55	24491	23921	24095	24133	24301
60	23334	22798	23108	23180	23503
65	21920	21297	21679	21905	22339
70	19847	19205	19824	16505	14424
75	16767	16238	13023	11918	12322
80	12244	12052	8863	9271	9756
85	6112	4709	3505	2077	1755



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	ZONAL CAVITY METHOD																	
	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	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
R	4	82	70	62	55	80	69	61	55	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	45	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	6866*	6866	6866	6866	6866
2.5	6861	6861	6861	6861	6862
5.0	6846	6843	6845	6843	6841
7.5	6817	6814	6816	6813	6807
10.0	6775	6773	6776	6770	6758
12.5	6722	6719	6722	6717	6698
15.0	6657	6653	6656	6652	6634
17.5	6580	6574	6578	6574	6565
20.0	6490	6483	6488	6484	6473
22.5	6389	6382	6388	6382	6390
25.0	6275	6266	6274	6268	6262
27.5	6149	6138	6148	6143	6119
30.0	6010	5998	6008	6005	6001
32.5	5858	5846	5857	5854	5845
35.0	5687	5681	5694	5692	5658
37.5	5505	5499	5519	5516	5474
40.0	5312	5306	5332	5327	5282
42.5	5100	5102	5132	5125	5088
45.0	4875	4873	4918	4914	4919
47.5	4636	4644	4696	4692	4682
50.0	4393	4392	4458	4451	4450
52.5	4108	4121	4199	4197	4163
55.0	3844	3848	3924	3925	3894
57.5	3540	3554	3641	3642	3623
60.0	3230	3250	3343	3348	3335
62.5	2923	2935	3035	3045	3029
65.0	2605	2623	2718	2741	2736
67.5	2276	2300	2403	2413	2257
70.0	1952	1975	2084	1731	1473
72.5	1619	1651	1751	1217	1213
75.0	1293	1327	1095	999	998
77.5	975	1016	753	784	787
80.0	677	723	553	576	578
82.5	416	317	372	235	225
85.0	202	178	141	83	65
87.5	46	65	59	49	39
90.0	4	22	23	12	1
92.5	0	10	10	6	0
95.0	0	5	7	5	0
97.5	0	2	5	3	0
100.0	0	1	3	3	0
102.5	0	1	2	2	0
105.0	0	1	2	1	0
107.5	0	1	1	1	0
110.0	0	1	1	1	0
112.5	0	1	1	1	0
115.0	0	0	1	1	0
117.5	0	0	1	1	0
120.0	0	0	1	1	0
122.5	0	1	1	1	0
125.0	1	1	1	1	1
127.5	1	1	1	1	1
130.0	1	1	1	2	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