

LUMINAIRE: PEL2-30LH-NL-EDU

Peloton Led Highbay, Industrial
PEL 2' HIGH BAY, NO LENS
Data Scaled from Test# 18.00606

BALLAST: XI095C275V054BSF1

BALLAST FACTOR: 1.00

LAMP: LED

FIXTURE LUMENS: 8306

WATTS: 51.59

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 #20400

DATE: 4/13/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 161

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.50

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

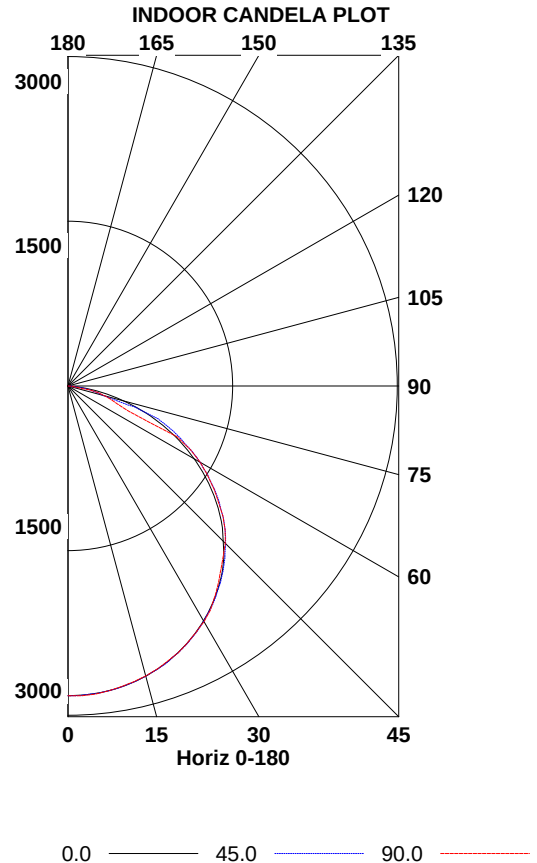
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2231	26.9	26.9
0-40	3697	44.5	44.5
0-60	6692	80.6	80.6
0-90	8304	100.0	100.0
90-120	3	0.0	0.0
90-130	3	0.0	0.0
90-150	3	0.0	0.0
90-180	3	0.0	0.0
0-180	8306	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0	22.5	45.0	67.5	90.0
0	10910	10910	10910	10910	10910
30	10776	10665	10623	10633	10718
40	10685	10523	10487	10496	10461
45	10505	10384	10384	10399	10485
50	10322	10161	10244	10245	10380
55	10003	9847	9972	9991	10085
60	9594	9407	9594	9624	9789
65	8978	8809	9021	9118	8965
70	8114	8003	8304	4605	4671
75	6847	6828	3901	4128	4272
80	4992	4884	3222	3396	3393
85	2481	1878	994	1101	1107

CANDELA/SQ M



COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																					
RC	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%			
R C R	0	119	119	119	119	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	85			
	2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	71			
	3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	59			
	4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	50			
	5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	44			
	6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	38			
	7	65	51	43	36	63	50	42	36	49	41	36	47	41	36	46	40	33			
	8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	30			
	9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	27			
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	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	2821	2821	2821	2821	2821
2.5	2818	2819	2819	2818	2823*
5.0	2812	2812	2812	2812	2817
7.5	2801	2800	2801	2800	2801
10.0	2783	2783	2784	2785	2781
12.5	2762	2761	2763	2764	2759
15.0	2735	2734	2737	2738	2734
17.5	2704	2702	2706	2705	2703
20.0	2666	2666	2670	2669	2664
22.5	2624	2624	2627	2627	2627
25.0	2578	2578	2581	2581	2579
27.5	2526	2526	2530	2530	2528
30.0	2470	2470	2473	2474	2478
32.5	2407	2407	2412	2412	2415
35.0	2337	2339	2345	2346	2335
37.5	2265	2266	2273	2274	2253
40.0	2189	2188	2197	2197	2170
42.5	2103	2105	2115	2115	2095
45.0	1999	2011	2029	2030	2025
47.5	1908	1915	1940	1939	1941
50.0	1799	1808	1842	1840	1841
52.5	1691	1699	1735	1737	1723
55.0	1570	1584	1624	1625	1616
57.5	1455	1465	1510	1510	1504
60.0	1328	1341	1388	1390	1389
62.5	1198	1214	1262	1266	1259
65.0	1067	1085	1131	1141	1098
67.5	934	955	1002	848	595
70.0	798	823	873	483	477
72.5	662	690	642	413	414
75.0	528	558	328	346	346
77.5	398	430	264	277	282
80.0	276	293	201	211	201
82.5	169	115	141	49	48
85.0	82	71	40	44	41
87.5	18	24	31	25	22
90.0	2	7	8	5	0
92.5	0	4	4	3	0
95.0	0	2	3	2	0
97.5	0	1	2	1	0
100.0	0	1	2	1	0
102.5	0	0	1	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	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