

LUMINAIRE: LLHP3-40VL-A-E347
 LLHP Led High Bay, Industrial
 11" x 36" led with aisle distribution optics
BALLAST: PISE-B215H
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 34752
WATTS: 422.80
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 0.54 90° = 0.97
LUMINOUS OPENING IN FEET
 LENGTH: 0.79
 WIDTH: 3.00
 HEIGHT: 0.00

TEST #14.00171
 DATE: 9/4/2014

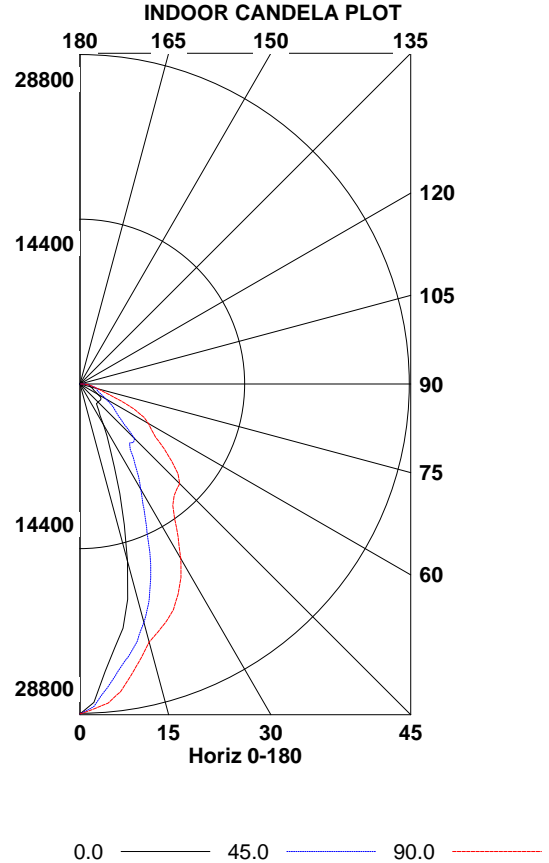
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 82
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.93
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	14648	42.1	42.1
0-40	20133	57.9	57.9
0-60	29236	84.1	84.1
0-90	34682	99.8	99.8
90-120	70	0.2	0.2
90-130	70	0.2	0.2
90-150	70	0.2	0.2
90-180	70	0.2	0.2
0-180	34752	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	130997	130997	130997	130997	130997
30	21617	28566	55805	91608	92390
40	13328	15593	39931	68567	75907
45	14310	16025	43400	59387	79125
50	16018	17919	31315	58822	73667
55	17777	19701	28062	64827	63663
60	16505	18658	23672	50504	62840
65	14605	17442	20687	44040	56603
70	15590	18671	21087	44764	36372
75	17022	21075	27042	47784	29007
80	22572	24455	27437	55972	27829
85	39553	36792	34915	71915	38146



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	ZONAL CAVITY METHOD																		
	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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	89	88	86	
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74	
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65	
R	4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60	58
C	5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52
R	6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47
	7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42
	8	67	54	47	41	65	54	46	41	53	46	41	51	45	41	50	45	41	39
	9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
	10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33

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	28843*	28843	28843	28843	28843
2.5	27855	27982	28218	28481	28423
5.0	25234	25726	26738	27716	28008
7.5	23261	23837	25345	26694	27142
10.0	21677	22438	24233	25535	25826
12.5	19281	20342	23065	24351	24585
15.0	16052	17700	21584	23393	23349
17.5	12906	14983	20000	22479	22712
20.0	10197	12455	18094	21726	22074
22.5	7868	10317	15989	20955	21352
25.0	6231	8470	13775	20091	20276
27.5	5127	6886	11976	18994	19109
30.0	4122	5447	10641	17468	17617
32.5	3257	4273	9486	15805	15979
35.0	2866	3449	8282	14107	14435
37.5	2505	2885	7212	12603	13332
40.0	2248	2630	6735	11565	12803
42.5	2245	2533	6919	10418	12497
45.0	2228	2495	6757	9246	12319
47.5	2235	2497	5321	8543	11627
50.0	2267	2536	4432	8325	10426
52.5	2280	2537	3943	8359	9260
55.0	2245	2488	3544	8187	8040
57.5	2115	2310	3123	7064	7401
60.0	1817	2054	2606	5560	6918
62.5	1557	1824	2219	4705	6302
65.0	1359	1623	1925	4098	5267
67.5	1253	1506	1711	3648	4003
70.0	1174	1406	1588	3371	2739
72.5	1065	1301	1542	3186	2040
75.0	970	1201	1541	2723	1653
77.5	907	1071	1351	2268	1240
80.0	863	935	1049	2140	1064
82.5	833	821	870	1884	929
85.0	759	706	670	1380	732
87.5	567	550	481	842	516
90.0	265	339	241	306	170
92.5	110	133	66	49	20
95.0	78	55	26	0	0
97.5	44	18	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	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



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CANDELA VALUES

ANGLE

- 0.0
- 2.5
- 5.0
- 7.5
- 10.0
- 12.5
- 15.0
- 17.5
- 20.0
- 22.5
- 25.0
- 27.5
- 30.0
- 32.5
- 35.0
- 37.5
- 40.0
- 42.5
- 45.0
- 47.5
- 50.0
- 52.5
- 55.0
- 57.5
- 60.0
- 62.5
- 65.0
- 67.5
- 70.0
- 72.5
- 75.0
- 77.5
- 80.0
- 82.5
- 85.0
- 87.5
- 90.0
- 92.5
- 95.0
- 97.5
- 100.0
- 102.5
- 105.0
- 107.5
- 110.0
- 112.5
- 115.0
- 117.5
- 120.0
- 122.5
- 125.0
- 127.5
- 130.0
- 132.5
- 135.0
- 137.5
- 140.0
- 142.5
- 145.0
- 147.5
- 150.0
- 152.5
- 155.0
- 157.5
- 160.0
- 162.5
- 165.0
- 167.5
- 170.0
- 172.5
- 175.0
- 177.5
- 180.0