

LUMINAIRE: LXEW4-40X-CAN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 LED Enclosed and Gasketed High Bay w/ Aluminum Reflectors
 Data Scaled from Test# 17.01522 & Clear Acrylic Refractor
BALLAST: XI190C275V054BSG1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 37238
WATTS: 329.40
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.28 90° = 0.92
LUMINOUS OPENING IN FEET
 LENGTH: 4.17
 WIDTH: 1.08
 HEIGHT: 0.23

TEST #18906

DATE: 5/18/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 113

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.12

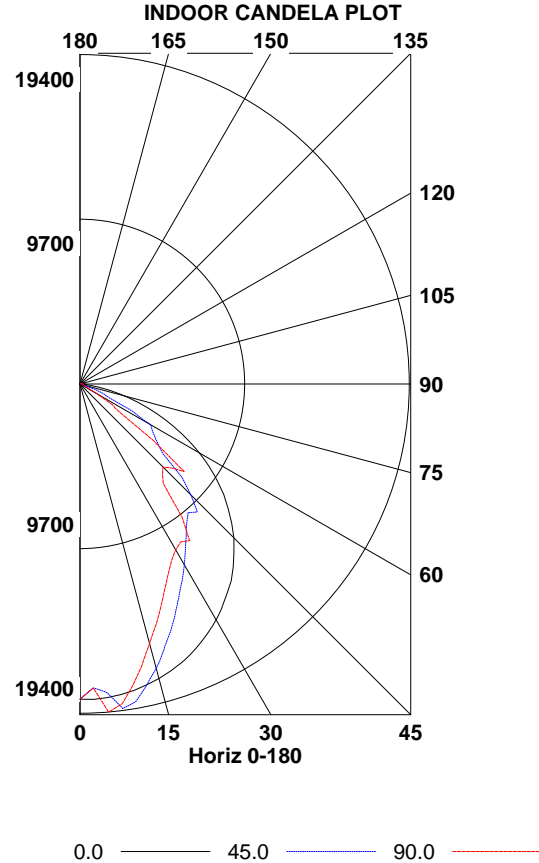
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	13269	35.6	35.6
0-40	20738	55.7	55.7
0-60	33107	88.9	88.9
0-90	36901	99.1	99.1
90-120	280	0.8	0.8
90-130	314	0.8	0.8
90-150	336	0.9	0.9
90-180	337	0.9	0.9
0-180	37238	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	44369	44369	44369	44369	44369
30	42909	38179	30539	27844	27695
40	41861	32474	26635	24832	20173
45	41077	29838	26223	19106	19283
50	39708	27274	19296	20017	23761
55	37990	24953	17599	14979	8355
60	35500	23247	17298	7340	4211
65	31608	17595	7575	2093	1534
70	26823	12978	4489	1193	1151
75	20654	4196	1298	1115	1153
80	13263	6445	1161	1145	1178
85	7300	2193	1290	1579	1477



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%															
	80%				70%				50%				30%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	101	101	99
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	90	87
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	75
3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	65
R 4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	57
C 5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	51
R 6	75	63	54	49	73	62	54	48	60	53	48	58	52	47	56	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	40
8	65	52	45	39	63	52	44	39	50	44	39	49	43	38	48	36
9	61	48	41	36	60	48	40	35	47	40	35	46	39	35	44	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	30

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	18564	18564	18564	18564	18564
2.5	18589	18362	17920	17893	17921
5.0	18535	17979	18249	19160	19402*
7.5	18449	17906	19272	19217	19000
10.0	18321	18299	18978	18216	17992
12.5	18142	18790	18162	17227	16921
15.0	17961	18908	17334	16228	15824
17.5	17724	18528	16431	15224	14869
20.0	17463	17945	15547	14288	13938
22.5	17165	17210	14661	13450	13054
25.0	16810	16440	13800	12631	12304
27.5	16425	15708	13029	11922	11697
30.0	16043	14892	12277	11358	11269
32.5	15577	14071	11554	10962	11025
35.0	15088	13275	10913	11037	11259
37.5	14620	12417	10326	10587	9881
40.0	14038	11565	9895	9414	7621
42.5	13421	10768	10225	7247	7200
45.0	12823	9997	9229	6884	6920
47.5	12117	9218	8167	6567	7320
50.0	11381	8493	6362	6781	8012
52.5	10666	7742	5799	7379	5384
55.0	9835	7121	5367	4713	2615
57.5	8970	6807	5042	2253	2250
60.0	8136	5979	4807	2115	1206
62.5	7207	5191	3515	1151	594
65.0	6250	3995	1884	543	395
67.5	5372	3080	1544	333	297
70.0	4420	2533	977	273	261
72.5	3491	1830	369	240	236
75.0	2697	679	240	219	224
77.5	1912	537	202	203	206
80.0	1265	820	175	186	189
82.5	802	534	153	183	221
85.0	434	201	149	201	185
87.5	211	138	170	190	179
90.0	87	107	163	131	126
92.5	104	103	97	102	94
95.0	233	96	83	73	72
97.5	295	76	66	65	67
100.0	288	67	65	73	74
102.5	274	69	67	79	84
105.0	248	86	64	79	84
107.5	215	91	60	74	78
110.0	181	82	55	67	74
112.5	150	78	51	62	68
115.0	124	71	48	59	64
117.5	102	63	46	52	59
120.0	82	54	41	47	53
122.5	66	43	35	43	47
125.0	52	31	31	40	44
127.5	40	22	27	36	41
130.0	28	16	23	32	37
132.5	20	12	20	30	35
135.0	15	10	17	27	32
137.5	12	9	15	24	28
140.0	11	9	12	21	24
142.5	10	8	9	18	21
145.0	8	7	6	16	18
147.5	7	6	5	12	15
150.0	6	5	5	9	12
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