

LUMINAIRE: LXEN4-40LW-RFA-EDU

LXEN Led Narrow Enclosed and Gasketed, Extreme Environment
4' Narrow, Enclosed and Gasketed, Fiberglass, Extreme-Environment LED
Data Scaled from Test# 17.02890

BALLAST: OTI 50/120-277/1A4 DIM-1 L
BALLAST FACTOR: 1.00

LAMP:
FIXTURE LUMENS: 4185
WATTS: 33.90

MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.21 90° = 1.20
LUMINOUS OPENING IN FEET
LENGTH: 4.31
WIDTH: 0.33
HEIGHT: 0.13

TEST #19364

DATE: 10/31/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 123

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

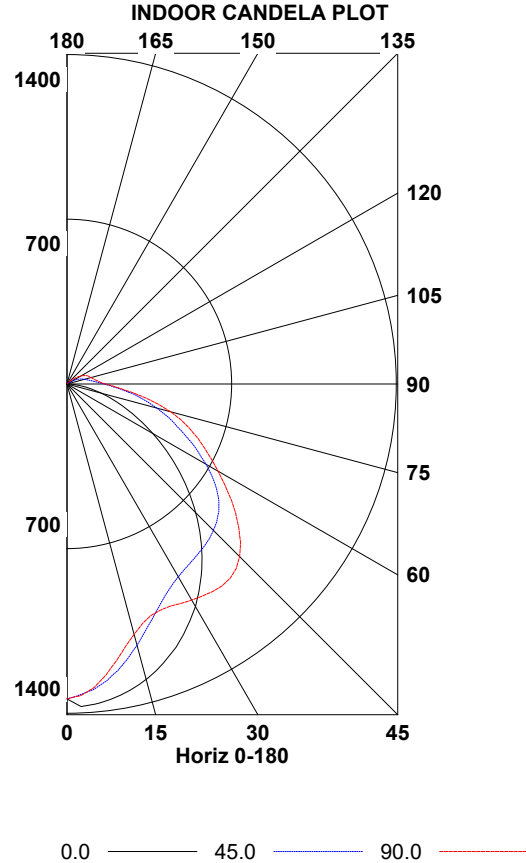
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.95
BASED ON 3000 HRS. AND \$.08 PER KWH**

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	938	22.4	22.4
0-40	1544	36.9	36.9
0-60	2857	68.3	68.3
0-90	3950	94.4	94.4
90-120	215	5.1	5.1
90-130	232	5.5	5.5
90-150	235	5.6	5.6
90-180	235	5.6	5.6
0-180	4185	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	10126	10126	10126	10126	10126
30	9379	7613	7047	7383	7547
40	8556	6719	7135	7790	8004
45	8052	6357	7246	7851	7970
50	7421	6096	7303	7630	7636
55	6767	5898	7159	7180	7177
60	6041	5664	6814	6695	6667
65	5365	5334	6321	6259	6261
70	4659	4913	5872	5859	5908
75	3969	4474	5450	5406	5410
80	3238	4049	4954	4693	4568
85	2325	3740	4373	3840	3614



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94	
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	83	80	78	75	
2	95	86	79	73	92	84	77	71	79	74	69	75	71	66	71	67	64	61	
3	87	75	67	60	84	73	65	59	69	63	57	66	60	55	63	58	53	51	
R	4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	43
C	5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	50	44	39	37
R	6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	32	60	47	38	32	45	37	32	43	36	31	41	35	30	28	
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	38	32	27	25	
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	35	29	24	22	
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20	

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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4' Narrow, Enclosed and Gasketed, Fiberglass, Extreme-Environment LED
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DATE: 10/31/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	1338	1338	1338	1338	1338
2.5	1372*	1328	1321	1330	1326
5.0	1366	1320	1303	1302	1297
7.5	1355	1303	1274	1263	1250
10.0	1340	1282	1238	1212	1197
12.5	1321	1255	1195	1161	1144
15.0	1300	1223	1150	1116	1102
17.5	1273	1187	1103	1075	1067
20.0	1242	1145	1061	1046	1046
22.5	1211	1102	1023	1030	1040
25.0	1173	1057	990	1023	1041
27.5	1133	1010	965	1024	1051
30.0	1092	961	946	1028	1060
32.5	1044	916	932	1034	1069
35.0	994	869	921	1038	1077
37.5	944	823	912	1039	1082
40.0	888	782	904	1037	1078
42.5	830	740	894	1028	1064
45.0	775	700	880	1009	1038
47.5	714	665	864	978	1001
50.0	653	628	842	938	953
52.5	594	595	813	891	903
55.0	535	561	775	836	850
57.5	478	526	731	785	794
60.0	420	490	684	730	741
62.5	368	453	631	677	693
65.0	319	412	580	631	645
67.5	272	372	530	585	602
70.0	228	331	484	538	556
72.5	188	291	439	494	509
75.0	151	255	395	444	457
77.5	118	220	350	391	397
80.0	87	187	307	337	339
82.5	59	158	265	284	281
85.0	36	131	223	234	229
87.5	21	106	186	194	193
90.0	12	87	157	165	163
92.5	10	71	135	145	144
95.0	8	59	119	131	133
97.5	7	47	106	121	124
100.0	6	39	94	112	117
102.5	5	31	85	106	111
105.0	5	24	76	100	106
107.5	4	18	69	95	101
110.0	3	11	61	89	97
112.5	3	6	53	82	92
115.0	3	2	44	75	86
117.5	2	1	35	66	76
120.0	2	1	27	57	68
122.5	1	1	19	46	58
125.0	1	0	12	37	47
127.5	1	0	6	28	38
130.0	1	0	2	21	28
132.5	0	0	0	13	21
135.0	0	0	0	7	13
137.5	0	0	0	2	7
140.0	1	1	1	1	3
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