

LUMINAIRE: LXEN4-40XW-RFA-EDU
 LXEN Led Narrow Enclosed and Gasketed, Extreme Environment
 4' Narrow Enclosed and Gasketed, Extreme Environment LED
 Data Scaled from Test# 17.02983
BALLAST: XI020C056V054BST2
BALLAST FACTOR: 1.00
LAMP:
FIXTURE LUMENS: 2139
WATTS: 16.40
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.21 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 4.31
 WIDTH: 0.33
 HEIGHT: 0.13

TEST #19367

DATE: 11/15/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 130

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.79

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

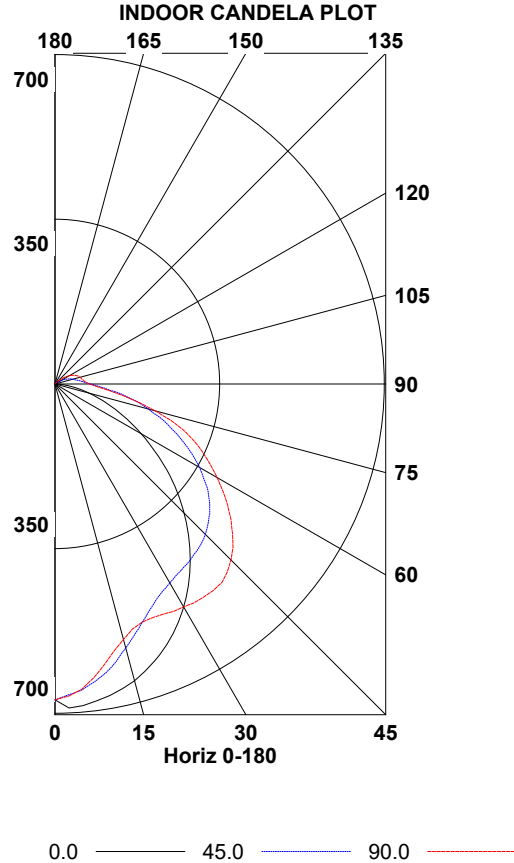
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	477	22.3	22.3
0-40	787	36.8	36.8
0-60	1462	68.3	68.3
0-90	2021	94.5	94.5
90-120	108	5.0	5.0
90-130	117	5.5	5.5
90-150	118	5.5	5.5
90-180	118	5.5	5.5
0-180	2139	100.0	100.0

AVERAGE LUMINANCE

CANDELA/SQ M

ANGLE	0.0	22.5	45.0	67.5	90.0
0	5078	5078	5078	5078	5078
30	4698	3866	3635	3828	3894
40	4278	3419	3678	3982	4091
45	4031	3269	3722	3999	4062
50	3728	3145	3721	3912	3942
55	3403	3049	3667	3770	3783
60	3050	2936	3536	3595	3581
65	2691	2771	3335	3373	3378
70	2329	2538	3118	3137	3124
75	1971	2316	2842	2740	2604
80	1563	2100	2501	2200	2035
85	1162	1913	2118	1723	1562



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94	
1	106	100	96	91	102	98	93	89	92	89	85	87	84	82	83	80	78	76	
2	96	86	79	73	92	84	77	71	80	74	69	75	71	66	72	68	64	62	
3	87	75	67	60	84	73	65	59	69	63	57	66	60	55	63	58	54	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	57	49	42	55	47	41	52	45	40	50	44	39	37
R	6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	45	39	34	32
7	62	48	39	32	60	47	38	32	45	37	31	43	36	31	41	35	30	28	
8	57	44	35	29	56	43	34	28	41	33	28	39	32	27	38	31	27	25	
9	54	40	31	26	52	39	31	26	37	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: _____

LUMINAIRE: LXEN4-40XW-RFA-EDU

LXEN Led Narrow Enclosed and Gasketed, Extreme Environment

4' Narrow Enclosed and Gasketed, Extreme Environment LED

Data Scaled from Test# 17.02983

TEST #19367
DATE: 11/15/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	671	671	671	671	671
2.5	689*	666	661	666	664
5.0	686	661	653	655	651
7.5	679	654	639	636	630
10.0	672	642	623	613	605
12.5	663	630	603	591	581
15.0	653	616	581	568	562
17.5	639	597	560	551	546
20.0	624	577	540	538	539
22.5	607	557	522	531	538
25.0	589	534	507	530	540
27.5	569	511	496	531	545
30.0	547	488	488	533	547
32.5	524	464	481	534	551
35.0	498	441	476	534	552
37.5	472	420	472	533	553
40.0	444	398	466	530	551
42.5	417	378	460	525	542
45.0	388	360	452	514	529
47.5	359	341	441	500	513
50.0	328	324	429	481	492
52.5	299	307	414	462	471
55.0	269	290	397	439	448
57.5	239	272	375	415	423
60.0	212	254	355	392	398
62.5	186	234	331	365	373
65.0	160	214	306	340	348
67.5	136	193	282	315	322
70.0	114	171	257	288	294
72.5	94	151	232	258	259
75.0	75	132	206	225	220
77.5	59	113	181	191	185
80.0	42	97	155	158	151
82.5	29	81	131	129	121
85.0	18	67	108	105	99
87.5	9	55	89	87	84
90.0	5	43	75	75	73
92.5	4	36	66	68	67
95.0	3	30	59	63	63
97.5	3	24	53	60	61
100.0	3	20	47	57	58
102.5	3	17	43	54	57
105.0	2	12	39	52	55
107.5	2	9	36	49	53
110.0	2	5	32	46	51
112.5	1	3	27	43	47
115.0	1	1	23	39	44
117.5	1	0	19	35	40
120.0	1	1	14	30	36
122.5	0	0	9	25	30
125.0	0	0	6	20	25
127.5	1	1	4	15	20
130.0	0	0	1	10	14
132.5	0	0	0	7	10
135.0	0	0	0	4	6
137.5	0	0	0	1	4
140.0	0	0	0	0	2
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