

LUMINAIRE: LXEW4-50X-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: 38228
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 #18882

DATE: 5/18/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 116

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.07

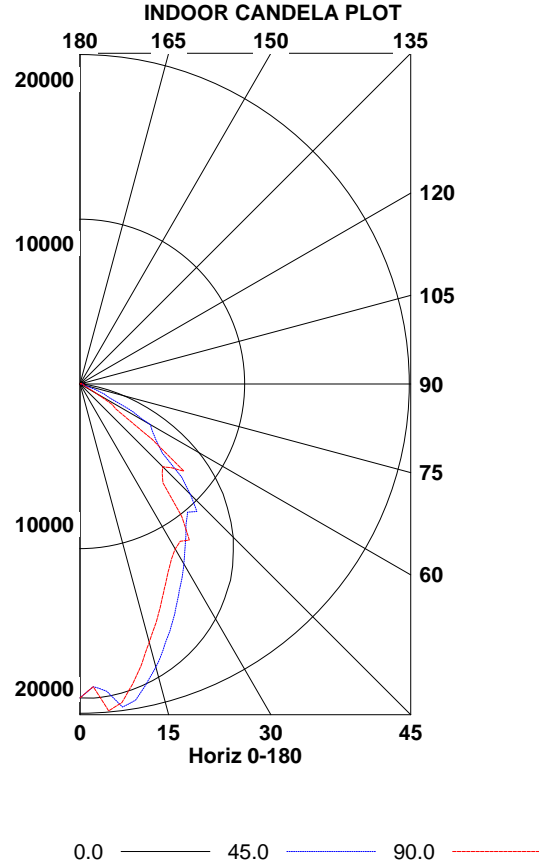
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	13622	35.6	35.6
0-40	21289	55.7	55.7
0-60	33987	88.9	88.9
0-90	37883	99.1	99.1
90-120	287	0.8	0.8
90-130	322	0.8	0.8
90-150	345	0.9	0.9
90-180	346	0.9	0.9
0-180	38228	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	45550	45550	45550	45550	45550
30	44051	39195	31353	28584	28430
40	42977	33339	27343	25494	20708
45	42169	30632	26922	19614	19796
50	40765	27997	19809	20551	24395
55	39002	25619	18068	15376	8576
60	36447	23865	17759	7538	4323
65	32452	18062	7776	2147	1572
70	27539	13326	4609	1224	1182
75	21206	4307	1330	1146	1183
80	13609	6618	1187	1176	1209
85	7502	2247	1325	1619	1517



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

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	19058	19058	19058	19058	19058
2.5	19083	18851	18397	18369	18398
5.0	19028	18457	18734	19670	19918*
7.5	18939	18382	19784	19728	19505
10.0	18808	18786	19483	18701	18470
12.5	18625	19290	18646	17685	17371
15.0	18439	19411	17795	16660	16245
17.5	18195	19021	16868	15629	15264
20.0	17928	18423	15960	14668	14309
22.5	17621	17668	15051	13808	13401
25.0	17258	16877	14167	12967	12631
27.5	16862	16126	13375	12239	12008
30.0	16470	15288	12604	11660	11568
32.5	15992	14445	11861	11254	11318
35.0	15489	13628	11204	11331	11559
37.5	15009	12747	10600	10869	10144
40.0	14412	11873	10158	9665	7823
42.5	13778	11055	10497	7440	7392
45.0	13164	10263	9475	7067	7104
47.5	12439	9463	8384	6742	7515
50.0	11684	8718	6531	6962	8226
52.5	10949	7948	5953	7575	5527
55.0	10097	7311	5510	4838	2684
57.5	9208	6988	5176	2313	2310
60.0	8353	6138	4935	2172	1238
62.5	7398	5329	3608	1182	610
65.0	6417	4101	1934	557	405
67.5	5515	3161	1585	342	305
70.0	4538	2601	1003	280	268
72.5	3583	1879	379	246	243
75.0	2769	697	246	225	230
77.5	1963	551	207	208	212
80.0	1298	842	179	191	194
82.5	823	548	157	188	227
85.0	446	206	153	206	190
87.5	217	142	174	195	183
90.0	90	109	168	134	129
92.5	106	105	100	104	97
95.0	240	99	85	75	74
97.5	303	78	68	67	69
100.0	296	69	67	75	76
102.5	281	71	69	81	86
105.0	254	89	66	81	86
107.5	221	94	61	76	80
110.0	185	84	56	69	76
112.5	154	80	52	64	70
115.0	127	73	49	60	66
117.5	104	65	47	53	60
120.0	84	55	42	48	54
122.5	68	44	35	44	48
125.0	53	32	32	41	45
127.5	41	23	28	36	42
130.0	29	17	24	33	38
132.5	21	13	21	31	35
135.0	16	10	18	28	33
137.5	13	9	16	25	29
140.0	11	9	13	22	25
142.5	10	8	9	19	22
145.0	8	7	6	17	19
147.5	7	6	5	13	16
150.0	6	5	5	9	13
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