

LUMINAIRE: LXEW4-35M-CPN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & CP Refractor
BALLAST: XI190C275V054BSG1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 15436
WATTS: 121.40
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.27 90° = 0.91
LUMINOUS OPENING IN FEET
 LENGTH: 4.00
 WIDTH: 2.00
 HEIGHT: 0.29

TEST #17.01503
 DATE: 5/23/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 127

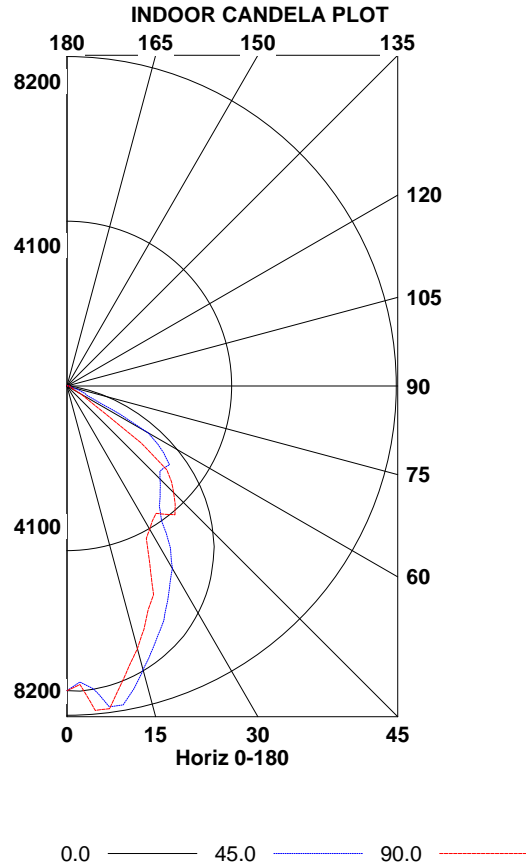
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.88
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5552	36.0	36.0
0-40	8511	55.1	55.1
0-60	13809	89.5	89.5
0-90	15311	99.2	99.2
90-120	105	0.7	0.7
90-130	117	0.8	0.8
90-150	125	0.8	0.8
90-180	125	0.8	0.8
0-180	15436	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	10203	10203	10203	10203	10203
30	9742	9147	7491	5917	5904
40	9371	7890	5613	5931	6552
45	9107	7206	5398	6270	6247
50	8761	6433	5590	5806	5792
55	8226	5121	5682	3899	1735
60	7579	4624	4972	1118	869
65	6729	4118	1288	357	401
70	5593	3394	987	381	428
75	4218	1520	439	279	236
80	2712	1331	290	271	259
85	1528	740	319	358	412



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%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	77	75	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	66
R 4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57	57
C 5	80	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51	51
R 6	75	63	54	49	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40	40
8	65	53	45	39	64	52	44	39	50	44	39	49	43	39	48	42	38	37	37
9	61	48	41	36	60	48	41	36	47	40	35	46	39	35	45	39	35	33	33
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30

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: LXEW4-35M-CPN-EU

LXEW Led Enclosed and Gasketed, Extreme Environment
4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & CP Refractor

TEST #17.01503
DATE: 5/23/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7583	7583	7583	7583	7583
2.5	7603	7522	7376	7397	7438
5.0	7575	7401	7572	7961	8109
7.5	7541	7389	8054	8163*	8101
10.0	7493	7572	8058	7735	7596
12.5	7410	7814	7714	7311	7140
15.0	7336	7923	7314	6899	6768
17.5	7247	7849	6957	6564	6363
20.0	7128	7617	6612	6138	5917
22.5	7004	7297	6311	5747	5627
25.0	6868	6963	5922	5444	4875
27.5	6697	6649	5543	4619	4274
30.0	6533	6304	5250	4164	4118
32.5	6332	6022	4793	3998	3968
35.0	6133	5695	4102	3854	3870
37.5	5903	5331	3776	3751	4026
40.0	5660	4954	3608	3835	4184
42.5	5423	4594	3436	4008	3983
45.0	5133	4251	3273	3828	3759
47.5	4854	3933	3138	3565	3528
50.0	4547	3522	3160	3308	3245
52.5	4208	2907	3219	3061	2303
55.0	3870	2565	2954	2046	893
57.5	3542	2326	2661	785	544
60.0	3170	2083	2340	532	404
62.5	2811	1849	1200	394	142
65.0	2442	1633	538	151	165
67.5	2061	1400	487	169	155
70.0	1705	1153	357	140	152
72.5	1343	946	182	163	113
75.0	1031	426	133	86	70
77.5	744	333	108	67	74
80.0	494	291	70	67	61
82.5	307	220	63	57	62
85.0	181	115	57	66	71
87.5	107	67	59	72	62
90.0	63	50	63	51	51
92.5	58	45	42	44	39
95.0	76	42	35	26	20
97.5	95	37	23	20	21
100.0	100	38	23	22	21
102.5	98	41	25	22	21
105.0	89	43	24	22	20
107.5	80	41	23	21	20
110.0	69	38	20	19	18
112.5	59	35	19	17	17
115.0	51	31	17	16	16
117.5	42	27	15	13	15
120.0	35	23	13	11	12
122.5	29	19	12	10	11
125.0	24	16	11	9	10
127.5	19	12	9	9	9
130.0	15	10	9	9	10
132.5	12	8	10	8	9
135.0	10	7	9	9	9
137.5	8	5	6	11	10
140.0	6	5	4	10	13
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