

LUMINAIRE: LXEW4-35HV-FAN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & FA Refractor
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 23574
WATTS: 187.90
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.23 90° = 0.99
LUMINOUS OPENING IN FEET
 LENGTH: 4.17
 WIDTH: 1.25
 HEIGHT: 0.23

TEST #17.01514
 DATE: 5/26/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 125

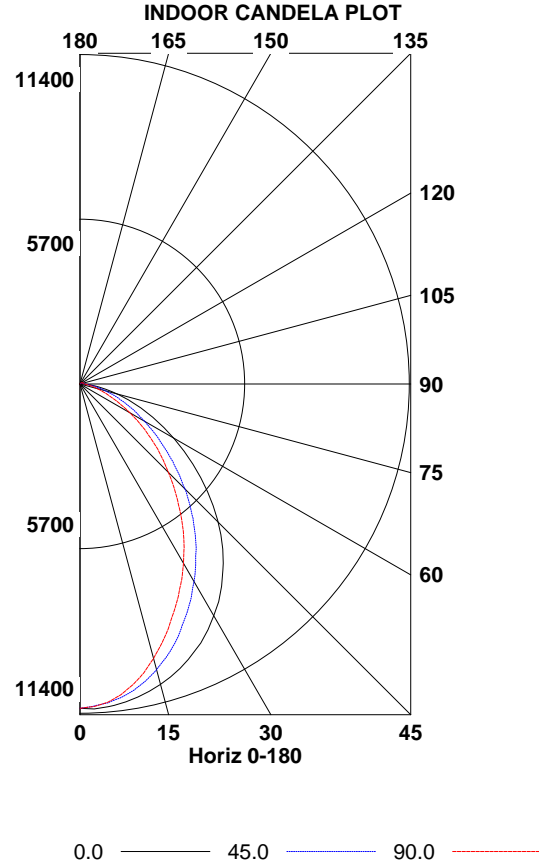
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.92
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8024	34.0	34.0
0-40	12515	53.1	53.1
0-60	19777	83.9	83.9
0-90	23159	98.2	98.2
90-120	338	1.4	1.4
90-130	386	1.6	1.6
90-150	415	1.8	1.8
90-180	415	1.8	1.8
0-180	23574	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	23180	23180	23180	23180	23180
30	21394	19554	17151	15761	15440
40	19831	17194	14381	12673	12278
45	18685	15811	12837	11063	10683
50	17351	14294	11243	9567	9248
55	15806	12642	9689	8140	7766
60	14013	11009	8264	6755	6264
65	12357	9390	6992	5417	4926
70	10680	7892	5759	4240	3794
75	8985	6414	4574	3246	2919
80	7193	4790	3442	2465	2299
85	4985	3255	2472	1920	1848



COEFFICIENTS OF UTILIZATION (%)

RC	RW	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																
		80%				70%				50%				30%				
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	85
2	101	93	87	82	98	91	85	81	87	83	79	84	80	77	81	77	75	72
3	93	83	75	70	90	81	74	69	78	72	67	75	70	66	72	68	65	63
R 4	85	74	66	60	83	73	65	60	70	64	59	68	62	58	65	61	57	55
C 5	79	67	59	53	77	66	58	52	64	57	51	61	55	51	60	54	50	48
R 6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	54	49	45	43
7	68	56	47	42	66	55	47	41	53	46	41	51	45	41	50	44	40	38
8	64	51	43	37	62	50	43	37	49	42	37	47	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

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: LXEW4-35HV-FAN-EU

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

TEST #17.01514
DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11225	11225	11225	11225	11225
2.5	11255*	11226	11156	11169	11172
5.0	11208	11172	11076	11060	11056
7.5	11134	11080	10941	10872	10843
10.0	11039	10954	10759	10622	10563
12.5	10909	10799	10521	10306	10229
15.0	10753	10606	10235	9948	9830
17.5	10587	10379	9915	9543	9412
20.0	10373	10124	9560	9122	8973
22.5	10133	9829	9160	8668	8508
25.0	9889	9505	8757	8221	8067
27.5	9589	9158	8330	7787	7628
30.0	9258	8775	7895	7339	7163
32.5	8930	8366	7452	6883	6709
35.0	8541	7946	7012	6426	6240
37.5	8124	7496	6551	5945	5738
40.0	7697	7028	6092	5455	5258
42.5	7247	6559	5617	4982	4795
45.0	6751	6071	5139	4512	4331
47.5	6258	5577	4661	4067	3911
50.0	5756	5093	4205	3656	3510
52.5	5221	4601	3755	3258	3102
55.0	4736	4120	3341	2878	2724
57.5	4217	3666	2949	2515	2360
60.0	3717	3226	2587	2177	2000
62.5	3260	2810	2253	1854	1688
65.0	2828	2422	1950	1563	1406
67.5	2409	2073	1663	1297	1152
70.0	2037	1743	1397	1071	946
72.5	1693	1447	1158	869	770
75.0	1358	1168	935	697	617
77.5	1064	914	736	552	497
80.0	794	680	567	432	395
82.5	543	489	423	333	308
85.0	343	328	306	258	242
87.5	201	215	228	201	193
90.0	141	156	173	160	155
92.5	134	130	139	134	131
95.0	132	121	122	119	116
97.5	131	116	116	113	110
100.0	129	111	112	112	110
102.5	125	105	110	113	112
105.0	118	100	107	113	113
107.5	110	93	103	112	114
110.0	100	84	98	109	113
112.5	89	75	92	105	110
115.0	78	66	85	100	106
117.5	67	56	78	94	100
120.0	57	47	70	86	94
122.5	48	38	61	79	86
125.0	39	29	53	71	79
127.5	32	23	45	62	71
130.0	26	19	37	55	63
132.5	22	16	30	48	55
135.0	18	13	23	41	48
137.5	15	11	17	35	41
140.0	12	9	12	28	34
142.5	10	7	7	22	28
145.0	8	6	3	17	22
147.5	6	4	3	11	16
150.0	4	3	3	6	11
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