

LUMINAIRE: LXEW4-30HV-CPN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CP
 Data Scaled from Test# 17.01517 Refractor
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 22756
WATTS: 187.90
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.30 90° = 1.00
LUMINOUS OPENING IN FEET
 LENGTH: 4.17
 WIDTH: 1.08
 HEIGHT: 0.23

TEST #18863

DATE: 5/26/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 121

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.98

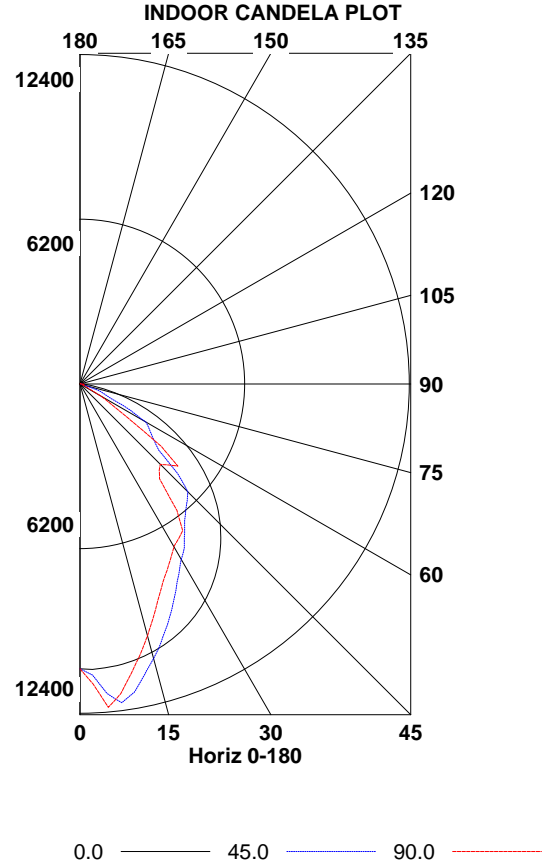
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8173	35.9	35.9
0-40	12762	56.1	56.1
0-60	20324	89.3	89.3
0-90	22588	99.3	99.3
90-120	144	0.6	0.6
90-130	161	0.7	0.7
90-150	169	0.7	0.7
90-180	169	0.7	0.7
0-180	22756	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	25624	25624	25624	25624	25624
30	25147	23589	18970	17521	17375
40	24512	20169	16670	14914	12314
45	23926	18693	16321	11673	11913
50	23048	16911	11701	12233	14262
55	21867	15302	10762	10529	6550
60	20255	13892	10281	4078	3216
65	18166	10496	5114	1600	1099
70	15408	7598	3786	638	538
75	11365	3034	871	463	463
80	7245	2830	531	480	505
85	3919	2018	580	1218	1198



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

ZONAL CAVITY METHOD

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' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CP
Data Scaled from Test# 17.01517 Refractor

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DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	10721	10721	10721	10721	10721
2.5	10752	10878	10974	11217	11303
5.0	10723	11046	11690	12182	12215*
7.5	10692	11352	12102	11879	11756
10.0	10625	11712	11775	11229	11078
12.5	10554	11899	11214	10639	10447
15.0	10452	11780	10700	10018	9812
17.5	10344	11482	10173	9421	9191
20.0	10195	11054	9636	8828	8615
22.5	10038	10615	9088	8299	8115
25.0	9856	10169	8556	7862	7746
27.5	9632	9699	8059	7612	7399
30.0	9402	9201	7626	7147	7070
32.5	9145	8722	7313	6871	6910
35.0	8854	8198	6863	6708	6739
37.5	8544	7674	6472	6527	5994
40.0	8220	7183	6193	5654	4652
42.5	7846	6697	5969	4447	4413
45.0	7469	6263	5744	4206	4275
47.5	7061	5774	4984	4049	4508
50.0	6606	5266	3858	4144	4809
52.5	6154	4791	3541	4421	3866
55.0	5661	4367	3282	3313	2050
57.5	5151	3975	3072	1767	1311
60.0	4642	3573	2857	1175	921
62.5	4121	3046	2130	829	424
65.0	3592	2383	1272	415	283
67.5	3063	1800	998	269	187
70.0	2539	1483	824	146	122
72.5	1991	1070	396	106	100
75.0	1484	491	161	91	90
77.5	1072	314	98	82	82
80.0	691	360	80	78	81
82.5	400	345	71	80	105
85.0	233	185	67	155	150
87.5	133	89	103	92	73
90.0	80	64	82	57	53
92.5	77	68	52	54	53
95.0	104	58	48	44	37
97.5	133	47	44	27	22
100.0	143	46	31	27	25
102.5	140	51	32	32	31
105.0	132	56	29	34	36
107.5	119	54	27	30	30
110.0	104	51	25	26	27
112.5	89	47	24	22	23
115.0	76	44	22	20	20
117.5	65	39	19	17	18
120.0	54	34	17	15	17
122.5	44	28	15	12	14
125.0	36	22	14	12	12
127.5	28	17	12	13	13
130.0	22	14	10	12	13
132.5	16	11	8	10	12
135.0	13	9	6	9	11
137.5	11	8	5	8	10
140.0	9	6	4	6	8
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