

LUMINAIRE: LXEW4-40HV-CAN-EU

LXEW Led Enclosed and Gasketed, Extreme Environment
4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CA
Data Scaled from Test# 17.01516 Refractor

BALLAST: XI095C275V054BSF1

BALLAST FACTOR: 1.00

LAMP: LED

FIXTURE LUMENS: 24097

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 #18861

DATE: 5/26/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 128

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

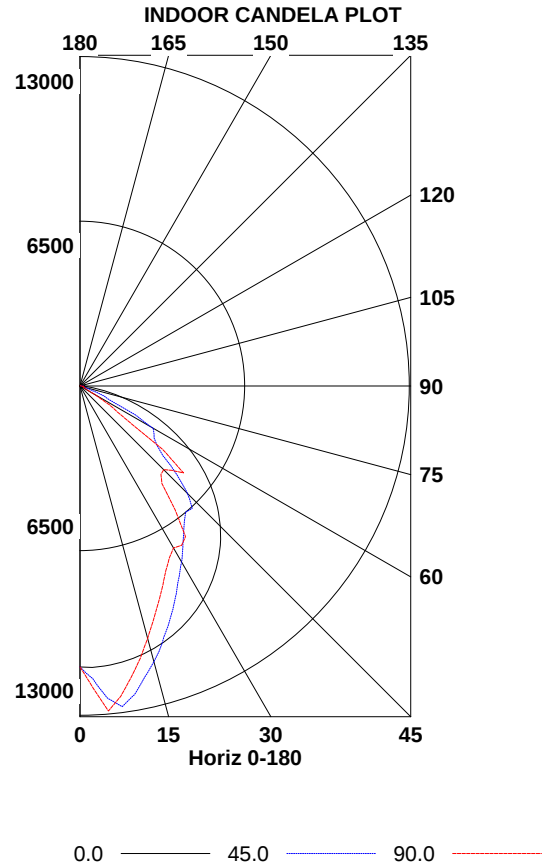
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8567	35.6	35.6
0-40	13387	55.6	55.6
0-60	21470	89.1	89.1
0-90	23901	99.2	99.2
90-120	166	0.7	0.7
90-130	185	0.8	0.8
90-150	197	0.8	0.8
90-180	197	0.8	0.8
0-180	24097	100.0	100.0

AVERAGE LUMINANCE

CANDELA/SQ M

ANGLE	0.0	22.5	45.0	67.5	90.0
0	26503	26503	26503	26503	26503
30	25992	24868	19940	18227	18125
40	25541	21206	17470	15547	13312
45	25095	19472	17017	12556	13022
50	24377	17817	12936	13526	15816
55	23269	16546	11697	11470	6017
60	21769	15098	12023	4376	2287
65	19683	11500	5082	1099	916
70	16907	8669	2421	717	661
75	13172	3387	822	632	628
80	8618	3616	650	634	655
85	4743	1473	745	1210	990



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
R C R	0	119	119	119	119	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	110	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	87			
	2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77			
	3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	71	68			
	4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59			
	5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53			
	6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	56	51	47			
	7	70	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42			
	8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38			
	9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	44	39	35			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32				

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: LXEW4-40HV-CAN-EU

LXEW Led Enclosed and Gasketed, Extreme Environment

4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CA

Data Scaled from Test# 17.01516 Refractor

TEST #18861

DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11089	11089	11089	11089	11089
2.5	11117	11308	11556	11823	11930
5.0	11090	11602	12361	12835	12873*
7.5	11047	11983	12762	12507	12346
10.0	10976	12381	12374	11806	11656
12.5	10895	12556	11776	11189	11006
15.0	10791	12432	11264	10556	10309
17.5	10674	12105	10702	9918	9660
20.0	10516	11648	10125	9310	9070
22.5	10357	11161	9561	8741	8528
25.0	10169	10700	9002	8258	8026
27.5	9952	10211	8471	7789	7639
30.0	9718	9700	8016	7435	7375
32.5	9461	9191	7557	7174	7458
35.0	9192	8642	7132	7305	7250
37.5	8902	8096	6766	6879	6180
40.0	8565	7552	6490	5894	5029
42.5	8215	7020	6554	4804	4728
45.0	7834	6524	5989	4524	4673
47.5	7416	6037	5188	4416	4923
50.0	6987	5548	4265	4582	5333
52.5	6529	5092	3810	4998	4131
55.0	6024	4722	3567	3609	1883
57.5	5513	4371	3462	1643	1372
60.0	4989	3883	3341	1261	655
62.5	4430	3328	2485	604	286
65.0	3892	2611	1264	285	236
67.5	3348	2055	1036	238	196
70.0	2786	1692	527	164	150
72.5	2241	1291	260	140	139
75.0	1720	548	152	124	122
77.5	1223	347	116	110	112
80.0	822	460	98	103	105
82.5	511	317	88	113	155
85.0	282	135	86	154	124
87.5	144	79	132	82	80
90.0	59	64	72	66	65
92.5	66	73	54	61	54
95.0	137	57	49	38	38
97.5	188	47	38	36	37
100.0	187	42	37	42	44
102.5	178	45	38	45	46
105.0	160	57	36	43	47
107.5	138	59	32	40	42
110.0	116	53	29	37	39
112.5	96	49	27	32	35
115.0	80	45	27	31	32
117.5	65	40	25	27	30
120.0	53	35	22	23	26
122.5	43	27	19	21	23
125.0	34	21	17	20	22
127.5	26	15	15	18	21
130.0	19	11	13	18	19
132.5	14	8	11	16	19
135.0	10	7	9	14	17
137.5	8	6	8	12	15
140.0	7	5	7	11	13
142.5	6	5	5	10	11
145.0	5	5	4	8	10
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