

**LUMINAIRE:** RLA24-30VLX-EDU  
 RLA Led, Recessed Architectural  
 2x4 recessed LED architectural Luminaire  
**BALLAST:** D23CC90UNVT-F  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 7044  
**WATTS:** 76.60  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.24 90° = 1.38  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 3.81  
 WIDTH: 1.83  
 HEIGHT: 0.00

TEST #15.00302  
 DATE: 2/17/2015

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 92**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.64**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

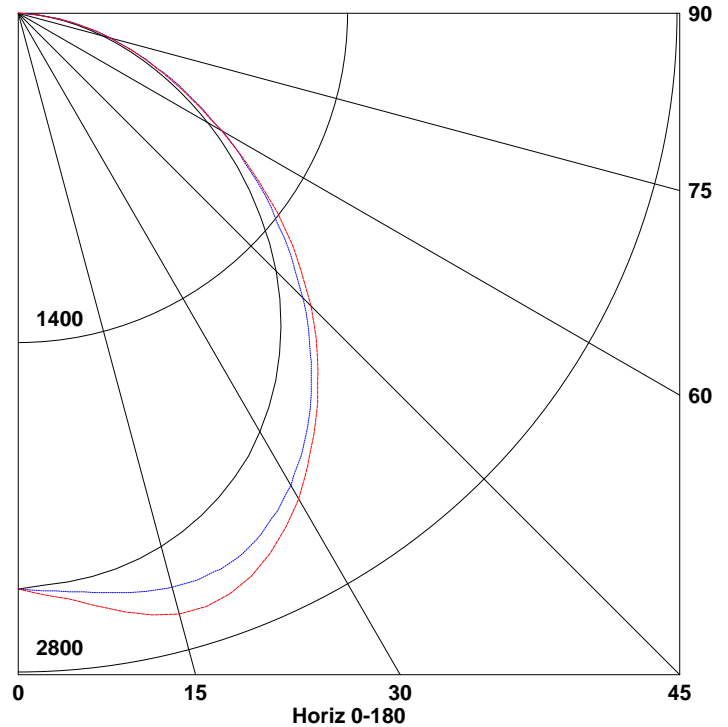
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2048	29.1	29.1
0-40	3360	47.7	47.7
0-60	5749	81.6	81.6
0-90	7044	100.0	100.0
0-180	7044	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	3778	3778	3778	3778	3778
30	3660	3888	4130	4207	4248
40	3501	3726	3906	3952	3992
45	3384	3585	3736	3799	3843
50	3228	3401	3535	3605	3639
55	3058	3198	3321	3364	3367
60	2868	2989	3094	3100	3085
65	2663	2762	2846	2835	2813
70	2451	2555	2623	2604	2595
75	2213	2332	2416	2422	2416
80	1911	2072	2187	2232	2178
85	1506	1771	1754	1541	1506

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ———

**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	RW	80%				70%				50%				30%					
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
R	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
C	1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
R	2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
C	3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
R	4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
C	5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
R	6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
C	7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
R	8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
C	9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
R	10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

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	2447	2447	2447	2447	2447
2.5	2433	2444	2457	2460	2473
5.0	2426	2442	2468	2482	2499
7.5	2414	2438	2483	2514	2540
10.0	2397	2432	2500	2550	2582
12.5	2374	2421	2516	2582	2619
15.0	2346	2407	2525	2604	2643
17.5	2312	2388	2526	2608	<b>2645*</b>
20.0	2272	2362	2514	2591	2626
22.5	2227	2330	2487	2557	2589
25.0	2176	2289	2442	2506	2532
27.5	2120	2240	2385	2439	2462
30.0	2053	2181	2317	2360	2383
32.5	1983	2112	2235	2269	2287
35.0	1907	2037	2145	2174	2190
37.5	1824	1947	2045	2067	2090
40.0	1737	1849	1938	1961	1981
42.5	1646	1748	1827	1853	1874
45.0	1550	1642	1711	1740	1760
47.5	1450	1528	1588	1621	1634
50.0	1344	1416	1472	1501	1515
52.5	1240	1301	1355	1375	1387
55.0	1136	1188	1234	1250	1251
57.5	1032	1077	1117	1125	1122
60.0	929	968	1002	1004	999
62.5	829	860	886	889	877
65.0	729	756	779	776	770
67.5	634	659	679	672	668
70.0	543	566	581	577	575
72.5	453	476	489	487	486
75.0	371	391	405	406	405
77.5	291	309	324	326	326
80.0	215	233	246	251	245
82.5	149	164	177	168	160
85.0	85	100	99	87	85
87.5	32	38	28	19	18
90.0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE