

LUMINAIRE: RLA22-40VLX-EDU
 RLA Led, Recessed Architectural
 2x2 recessed LED architectural Luminaire
BALLAST: D10CC55UNVT-C
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4025
WATTS: 41.40
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.19 90° = 1.10
LUMINOUS OPENING IN FEET
 LENGTH: 1.83
 WIDTH: 1.83
 HEIGHT: 0.00

TEST #15.00397
 DATE: 3/9/2015

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 97

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.45
BASED ON 3000 HRS. AND \$.08 PER KWH

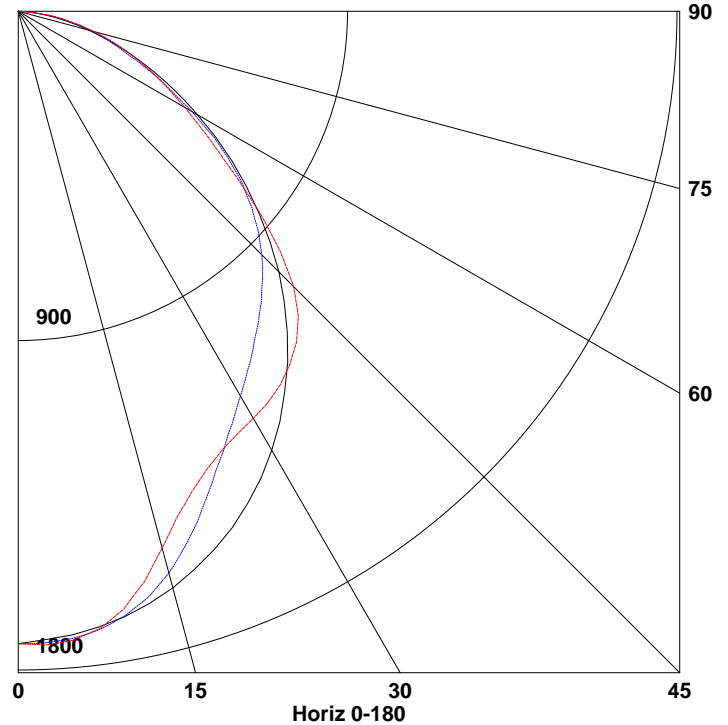
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1241	30.8	30.8
0-40	1985	49.3	49.3
0-60	3342	83.0	83.0
0-90	4025	100.0	100.0
0-180	4025	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	5554	5554	5554	5554	5554
30	5140	4895	4506	4639	4765
40	4796	4334	4338	4762	4959
45	4577	4064	4277	4727	4836
50	4295	3790	4165	4400	4335
55	3995	3553	3923	3805	3738
60	3632	3323	3523	3381	3388
65	3270	3095	3111	3095	3126
70	2885	2819	2782	2876	2923
75	2484	2471	2533	2620	2682
80	2018	2129	2295	2369	2351
85	1365	1623	1733	1623	1623

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 180.0 ———

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%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	
2	100	92	86	80	98	90	85	79	87	82	78	84	80	76	81	77	74	72	
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	62	
R	4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	65	59	55	53
C	5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
R	6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
	7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
	8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
	9	58	45	37	32	57	45	37	32	44	36	32	42	36	31	41	36	31	29
	10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

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	1728	1728	1728	1728	1728
2.5	1718	1721	1727	1730	1733*
5.0	1710	1713	1719	1722	1725
7.5	1696	1699	1703	1701	1702
10.0	1679	1681	1677	1665	1659
12.5	1657	1657	1640	1608	1595
15.0	1631	1627	1589	1535	1518
17.5	1599	1590	1526	1463	1447
20.0	1565	1549	1458	1402	1393
22.5	1527	1500	1389	1348	1351
25.0	1483	1445	1326	1306	1321
27.5	1437	1385	1268	1276	1300
30.0	1385	1319	1214	1250	1284
32.5	1330	1248	1165	1226	1268
35.0	1269	1176	1120	1202	1247
37.5	1209	1103	1076	1172	1218
40.0	1143	1033	1034	1135	1182
42.5	1075	961	988	1093	1132
45.0	1007	894	941	1040	1064
47.5	933	824	889	968	971
50.0	859	758	833	880	867
52.5	785	695	771	776	761
55.0	713	634	700	679	667
57.5	639	576	626	600	591
60.0	565	517	548	526	527
62.5	496	460	472	460	465
65.0	430	407	409	407	411
67.5	366	351	349	352	360
70.0	307	300	296	306	311
72.5	251	249	249	259	262
75.0	200	199	204	211	216
77.5	152	157	163	171	173
80.0	109	115	124	128	127
82.5	70	78	88	84	86
85.0	37	44	47	44	44
87.5	13	15	11	9	9
90.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE