

LUMINAIRE: VSY24-40VLHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 2' x 4' Led with acrylic diffuser
BALLAST: XI050C140V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 7309
WATTS: 48.78
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.20 90° = 1.21
LUMINOUS OPENING IN FEET
 LENGTH: 3.92
 WIDTH: 1.90
 HEIGHT: 0.00

TEST #19.01005
 DATE: 6/13/2019

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 150

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.61
BASED ON 3000 HRS. AND \$.08 PER KWH

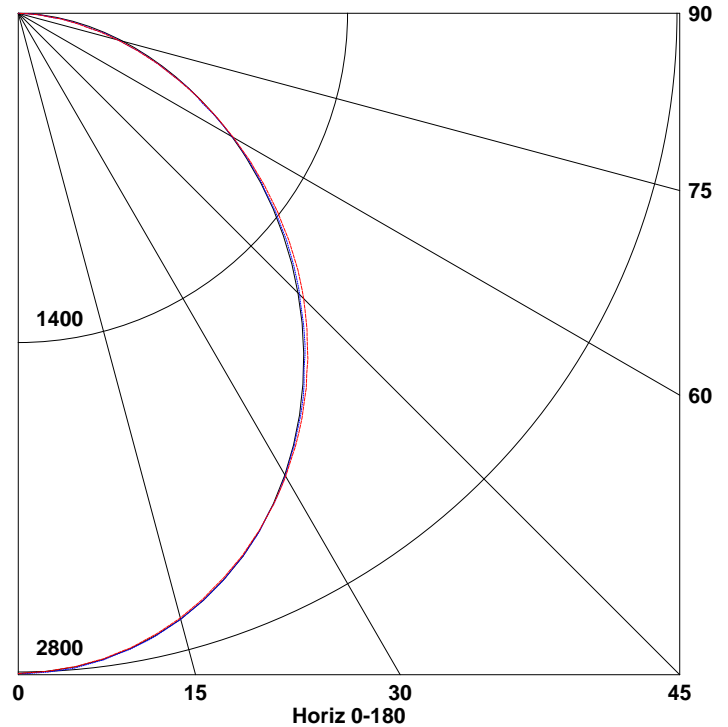
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2134	29.2	29.2
0-40	3441	47.1	47.1
0-60	5880	80.4	80.4
0-90	7309	100.0	100.0
0-180	7309	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	4055	4055	4055	4055	4055
30	3781	3776	3786	3786	3793
40	3560	3556	3577	3594	3613
45	3436	3432	3456	3481	3505
50	3307	3303	3332	3352	3375
55	3170	3165	3192	3195	3220
60	3026	3020	3032	3026	3049
65	2876	2873	2862	2845	2869
70	2730	2717	2687	2649	2675
75	2569	2524	2474	2418	2440
80	2380	2280	2206	2114	2139
85	2123	1890	1758	1575	1609

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

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%	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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
R	4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53
C	5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47
R	6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41
	7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37
	8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33
	9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30
	10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	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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2' x 4' Led with acrylic diffuser

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	2806*	2806	2806	2806	2806
2.5	2799	2803	2803	2803	2799
5.0	2788	2791	2792	2791	2787
7.5	2769	2771	2772	2770	2767
10.0	2742	2744	2744	2742	2739
12.5	2707	2709	2709	2705	2703
15.0	2666	2666	2667	2662	2660
17.5	2616	2616	2616	2612	2610
20.0	2559	2559	2559	2555	2553
22.5	2497	2495	2497	2493	2492
25.0	2426	2425	2427	2424	2424
27.5	2349	2347	2351	2349	2351
30.0	2266	2263	2269	2269	2273
32.5	2177	2175	2182	2184	2189
35.0	2084	2082	2091	2094	2102
37.5	1987	1985	1995	2001	2010
40.0	1887	1885	1896	1905	1915
42.5	1785	1783	1794	1805	1816
45.0	1681	1679	1691	1703	1715
47.5	1577	1575	1588	1599	1611
50.0	1471	1469	1482	1491	1501
52.5	1365	1362	1375	1380	1390
55.0	1258	1256	1267	1268	1278
57.5	1152	1150	1159	1157	1167
60.0	1047	1045	1049	1047	1055
62.5	943	941	942	938	946
65.0	841	840	837	832	839
67.5	742	740	734	727	734
70.0	646	643	636	627	633
72.5	552	547	538	529	533
75.0	460	452	443	433	437
77.5	371	361	352	341	345
80.0	286	274	265	254	257
82.5	205	191	182	172	174
85.0	128	114	106	95	97
87.5	58	44	39	38	40
90.0	2	1	1	1	1

*MAXIMUM CANDELA VALUE