

**LUMINAIRE:** VSY24-50XLHE-EDU  
 Versify™ Architectural Edge Lit, Recessed Architectural  
 2' x 4' Led with acrylic diffuser  
**BALLAST:** XI075C200V054BST1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 8354  
**WATTS:** 59.74  
**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 #19.01007  
 DATE: 6/12/2019

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 140**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.73**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

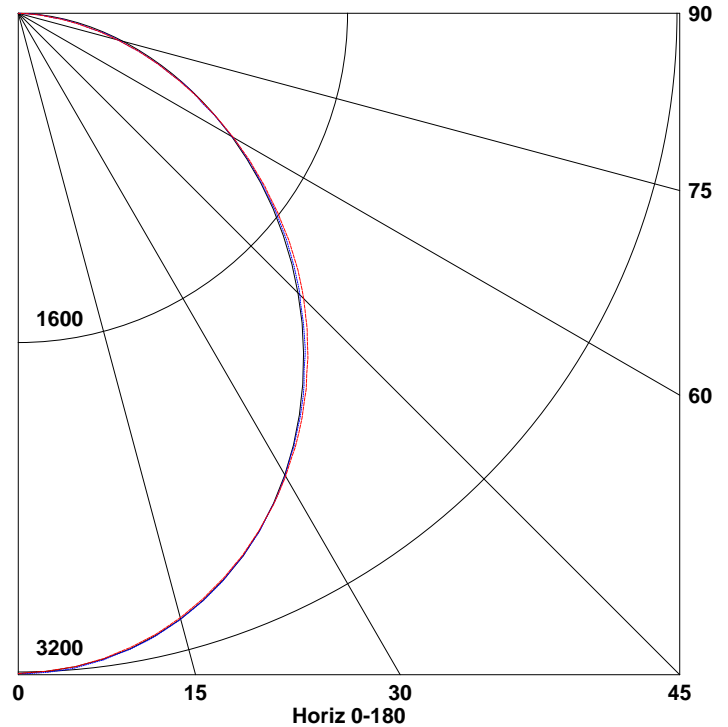
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2438	29.2	29.2
0-40	3932	47.1	47.1
0-60	6720	80.4	80.4
0-90	8354	100.0	100.0
0-180	8354	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	4635	4635	4635	4635	4635
30	4320	4315	4327	4327	4334
40	4067	4064	4088	4107	4128
45	3926	3922	3953	3979	4006
50	3779	3777	3811	3833	3856
55	3623	3618	3651	3651	3679
60	3460	3454	3469	3457	3483
65	3290	3286	3273	3249	3276
70	3127	3114	3068	3025	3055
75	2937	2887	2825	2764	2792
80	2722	2605	2522	2422	2447
85	2438	2156	2006	1807	1841

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ———

**COEFFICIENTS OF UTILIZATION (%)**

**ZONAL CAVITY METHOD**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
RW	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	51
C	5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
R	6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
	7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
	8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
	9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
	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: \_\_\_\_\_

**LUMINAIRE:** VSY24-50XLHE-EDU  
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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	3207*	3207	3207	3207	3207
2.5	3199	3203	3204	3203	3198
5.0	3186	3189	3191	3189	3185
7.5	3164	3167	3168	3166	3162
10.0	3134	3136	3136	3133	3129
12.5	3094	3095	3096	3092	3089
15.0	3046	3046	3047	3042	3039
17.5	2989	2989	2990	2984	2982
20.0	2924	2924	2925	2920	2918
22.5	2853	2851	2853	2849	2848
25.0	2772	2770	2774	2770	2770
27.5	2684	2682	2686	2684	2687
30.0	2589	2586	2593	2593	2597
32.5	2487	2485	2494	2495	2502
35.0	2381	2379	2389	2394	2402
37.5	2270	2268	2280	2288	2298
40.0	2156	2154	2167	2177	2188
42.5	2040	2037	2051	2063	2076
45.0	1921	1919	1934	1947	1960
47.5	1802	1801	1816	1828	1841
50.0	1681	1680	1695	1705	1715
52.5	1560	1558	1573	1577	1588
55.0	1438	1436	1449	1449	1460
57.5	1317	1315	1325	1322	1333
60.0	1197	1195	1200	1196	1205
62.5	1078	1077	1077	1072	1080
65.0	962	961	957	950	958
67.5	849	847	839	830	838
70.0	740	737	726	716	723
72.5	632	626	615	604	610
75.0	526	517	506	495	500
77.5	425	413	402	390	395
80.0	327	313	303	291	294
82.5	234	219	209	196	200
85.0	147	130	121	109	111
87.5	66	51	45	44	47
90.0	2	1	1	1	1

\*MAXIMUM CANDELA VALUE