

**LUMINAIRE:** VSY22-40HLHE-EDU  
 Versify™ Architectural Edge Lit, Recessed Architectural  
 2' x 2' Led with acrylic diffuser  
**BALLAST:** XI040C110V054BST1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 3819  
**WATTS:** 26.02  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.19 90° = 1.19  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 1.91  
 WIDTH: 1.91  
 HEIGHT: 0.00

TEST #19.00854  
 DATE: 5/15/2019

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 147**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.63**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

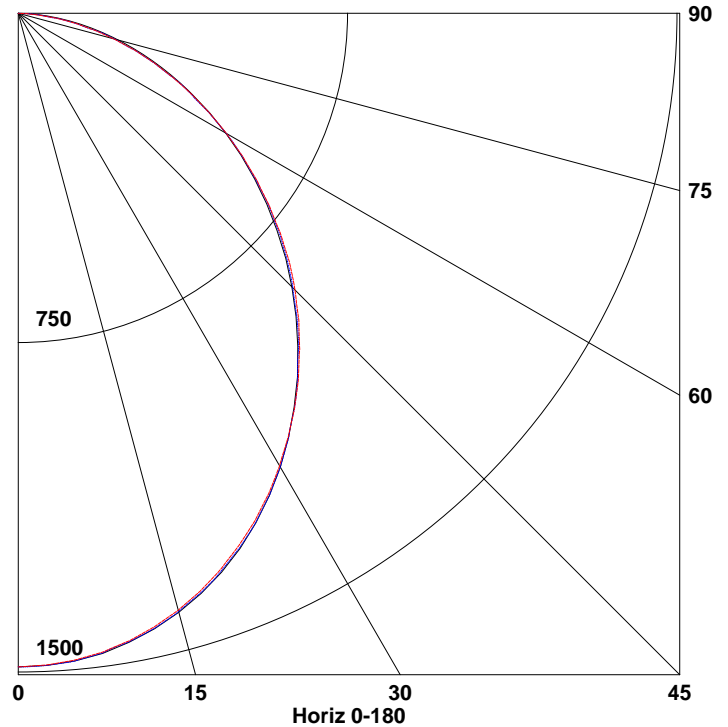
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1126	29.5	29.5
0-40	1812	47.4	47.4
0-60	3083	80.7	80.7
0-90	3819	100.0	100.0
0-180	3819	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	4390	4390	4390	4390	4390
30	4065	4058	4065	4054	4054
40	3813	3805	3825	3829	3840
45	3676	3668	3689	3701	3718
50	3530	3525	3553	3562	3576
55	3380	3375	3400	3385	3411
60	3216	3210	3222	3198	3228
65	3051	3044	3030	2995	3037
70	2881	2873	2830	2786	2830
75	2679	2633	2588	2531	2576
80	2447	2345	2277	2209	2260
85	2133	1896	1794	1625	1659

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ——— 180.0 ———

**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	102	100
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60	60
R	4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
C	5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
R	6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
	7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
	8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
	9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
	10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	38	32	27	26

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	1488*	1488	1488	1488	1488
2.5	1486	1486	1486	1486	1485
5.0	1480	1480	1480	1479	1478
7.5	1470	1469	1469	1467	1467
10.0	1454	1453	1453	1451	1451
12.5	1435	1434	1434	1431	1431
15.0	1412	1410	1410	1407	1407
17.5	1385	1383	1383	1379	1379
20.0	1354	1352	1351	1347	1347
22.5	1319	1317	1317	1313	1312
25.0	1280	1279	1279	1275	1275
27.5	1238	1236	1238	1233	1234
30.0	1193	1191	1193	1190	1190
32.5	1145	1143	1146	1144	1144
35.0	1095	1093	1097	1095	1097
37.5	1044	1041	1045	1045	1048
40.0	990	988	993	994	997
42.5	936	934	939	941	945
45.0	881	879	884	887	891
47.5	826	824	830	832	837
50.0	769	768	774	776	779
52.5	713	712	718	717	721
55.0	657	656	661	658	663
57.5	601	600	604	599	605
60.0	545	544	546	542	547
62.5	491	490	489	485	490
65.0	437	436	434	429	435
67.5	384	383	380	375	380
70.0	334	333	328	323	328
72.5	284	282	276	272	276
75.0	235	231	227	222	226
77.5	189	184	180	175	178
80.0	144	138	134	130	133
82.5	102	95	92	87	89
85.0	63	56	53	48	49
87.5	26	21	18	17	18
90.0	1	0	0	0	0

\*MAXIMUM CANDELA VALUE