

LUMINAIRE: VSY12-50HLHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 1' x 2' Led with acrylic diffuser
BALLAST: XI040C110V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 3699
WATTS: 26.50
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.21 90° = 1.24
LUMINOUS OPENING IN FEET
 LENGTH: 1.91
 WIDTH: 0.87
 HEIGHT: 0.00

TEST #23439

DATE: 6/6/2019

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 = \$1.69

BASED ON 3000 HRS. AND \$.08 PER KWH

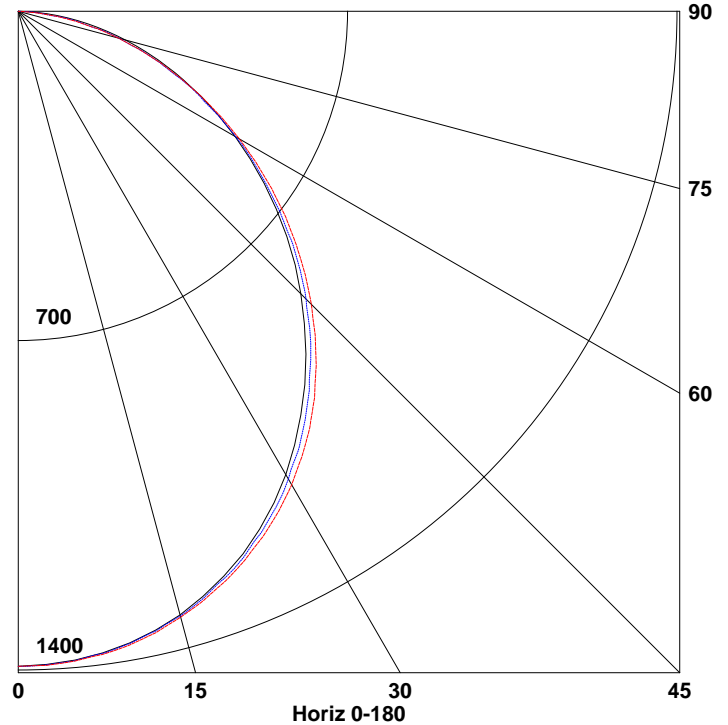
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1070	28.9	28.9
0-40	1734	46.9	46.9
0-60	2979	80.5	80.5
0-90	3699	100.0	100.0
0-180	3699	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	9017	9017	9017	9017	9017
30	8504	8512	8587	8647	8691
40	8042	8059	8177	8270	8329
45	7778	7796	7924	8007	8071
50	7508	7528	7629	7709	7770
55	7205	7217	7284	7352	7431
60	6892	6892	6918	6944	7035
65	6576	6530	6514	6514	6591
70	6250	6136	6080	6023	6117
75	5882	5681	5556	5431	5506
80	5446	5073	4850	4626	4700
85	4831	4014	3642	3047	3122

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 1400

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	96	106	102	98	95	98	95	92	94	91	89	90	88	86	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60	60
R	4	83	71	63	56	81	70	62	56	67	60	55	65	59	63	58	53	51	51
C	5	77	64	55	48	74	63	54	48	61	53	48	59	52	57	51	47	44	44
R	6	71	58	49	42	69	57	48	42	55	47	42	53	47	51	46	41	39	39
	7	66	52	44	38	64	51	43	37	50	43	37	49	42	47	41	37	35	35
	8	61	48	39	34	60	47	39	33	46	38	33	45	38	43	37	33	31	31
	9	57	44	36	30	56	43	35	30	42	35	30	41	35	40	34	30	28	28
	10	54	41	33	27	52	40	32	27	39	32	27	38	32	37	31	27	25	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	1392*	1392	1392	1392	1392
2.5	1389	1389	1390	1391	1391
5.0	1384	1384	1385	1386	1386
7.5	1375	1375	1376	1378	1378
10.0	1363	1363	1364	1366	1367
12.5	1347	1347	1349	1351	1352
15.0	1328	1327	1330	1332	1333
17.5	1304	1304	1308	1310	1312
20.0	1277	1278	1282	1286	1288
22.5	1248	1248	1254	1259	1261
25.0	1214	1215	1222	1228	1231
27.5	1177	1178	1187	1194	1198
30.0	1137	1138	1148	1156	1162
32.5	1093	1095	1107	1116	1122
35.0	1047	1050	1062	1073	1080
37.5	1000	1002	1016	1027	1034
40.0	951	953	967	978	985
42.5	900	903	917	927	934
45.0	849	851	865	874	881
47.5	798	800	812	820	827
50.0	745	747	757	765	771
52.5	691	693	701	708	715
55.0	638	639	645	651	658
57.5	585	585	590	593	600
60.0	532	532	534	536	543
62.5	480	479	479	480	486
65.0	429	426	425	425	430
67.5	379	374	372	370	375
70.0	330	324	321	318	323
72.5	282	275	271	267	270
75.0	235	227	222	217	220
77.5	190	180	175	169	173
80.0	146	136	130	124	126
82.5	104	94	88	81	83
85.0	65	54	49	41	42
87.5	28	19	16	13	14
90.0	1	0	0	0	0

*MAXIMUM CANDELA VALUE