

LUMINAIRE: VSY24-50XWHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 2' x 4' Led with acrylic diffuser
BALLAST: XI020C056V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 2366
WATTS: 17.54
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 #19.01003
 DATE: 6/13/2019

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 135

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.83
BASED ON 3000 HRS. AND \$.08 PER KWH

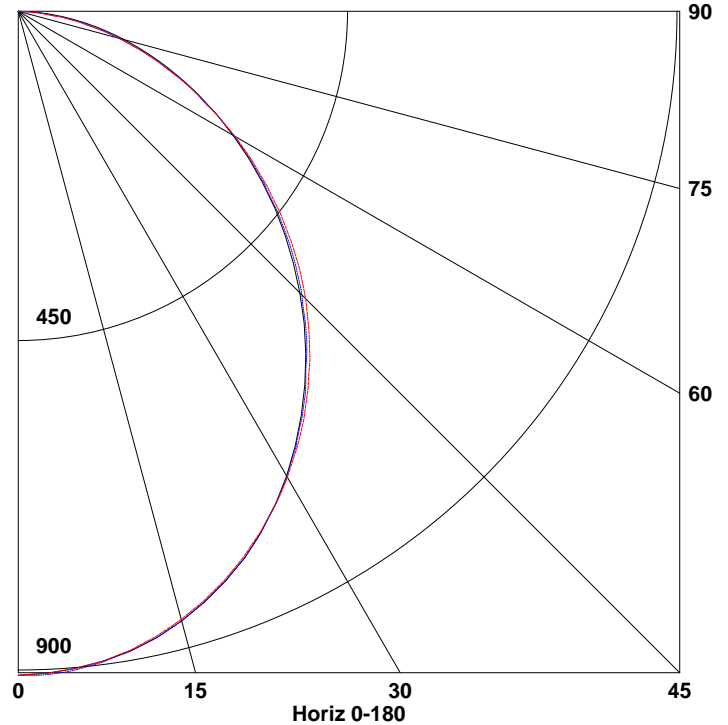
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	690	29.2	29.2
0-40	1113	47.0	47.0
0-60	1902	80.4	80.4
0-90	2366	100.0	100.0
0-180	2366	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	1311	1311	1311	1311	1311
30	1223	1222	1225	1225	1227
40	1153	1151	1156	1162	1170
45	1112	1110	1120	1126	1134
50	1070	1070	1077	1084	1093
55	1025	1025	1033	1036	1043
60	980	977	983	980	989
65	934	930	927	920	927
70	887	883	870	858	866
75	832	821	804	782	793
80	774	741	716	682	699
85	696	614	564	514	531

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	102	100
1	109	104	100	96	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	74	79	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	81	70	62	56	68	60	55	65	59	54	63	58	53	51	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	27	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: VSY24-50XWHE-EDU
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2' x 4' Led with acrylic diffuser

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DATE: 6/13/2019

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	907*	907	907	907	907
2.5	905	906	907	906	905
5.0	901	902	903	902	901
7.5	895	896	896	896	895
10.0	887	887	887	887	886
12.5	876	876	876	875	874
15.0	862	862	862	861	860
17.5	846	846	846	844	844
20.0	828	828	828	826	826
22.5	808	807	808	806	806
25.0	785	784	785	784	784
27.5	760	759	760	759	760
30.0	733	732	734	734	735
32.5	704	703	706	706	708
35.0	674	673	676	677	680
37.5	643	642	645	647	650
40.0	611	610	613	616	620
42.5	578	577	581	584	587
45.0	544	543	548	551	555
47.5	510	510	514	517	521
50.0	476	476	479	482	486
52.5	442	441	445	447	450
55.0	407	407	410	411	414
57.5	373	373	375	374	378
60.0	339	338	340	339	342
62.5	306	305	305	304	306
65.0	273	272	271	269	271
67.5	240	240	238	236	238
70.0	210	209	206	203	205
72.5	179	177	174	171	173
75.0	149	147	144	140	142
77.5	121	117	114	111	112
80.0	93	89	86	82	84
82.5	67	62	59	56	57
85.0	42	37	34	31	32
87.5	19	15	13	13	14
90.0	1	0	0	0	0

*MAXIMUM CANDELA VALUE