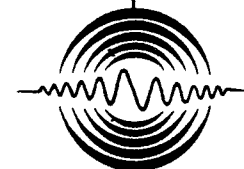


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

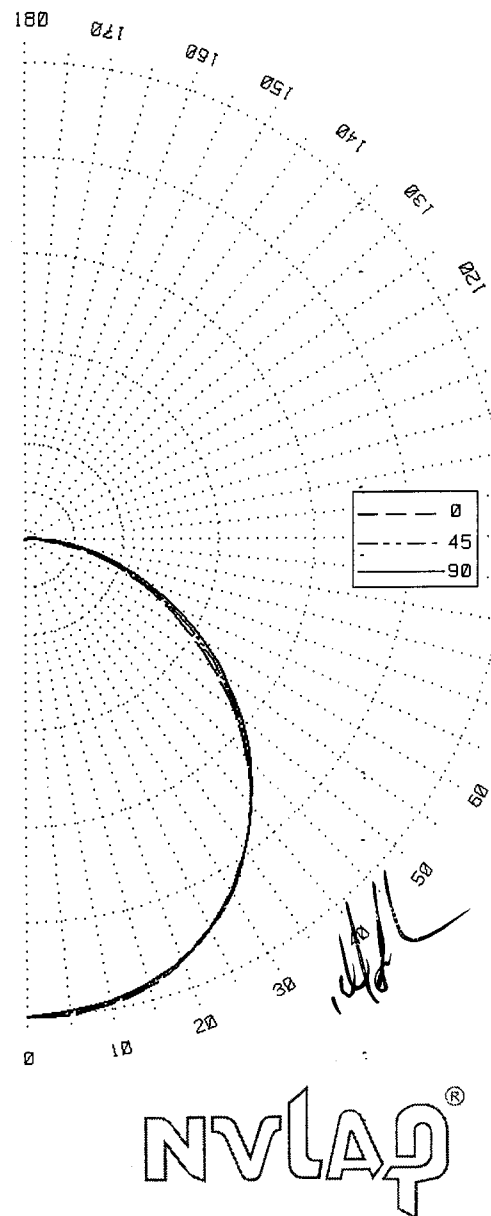
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) - 343-6006  
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 19268.0 DATE 03/02/16  
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MN  
DESCRIPTION: 4-72LED 22"ARRAYS 2'ENCLOSED & GASKETED LUMINAIRE  
WHITE FLAT REFL w/FROSTED ACRYLIC DROP LENS  
2 EVERLINE #D10CC30347TZ-C 1@902mA & 1@943.5mA EACH  
CATALOG NBR: CT4S-LED-SMM-4-CC-UNVLT-840-U-347  
LAMP TYPE : M700C840D72N2A

## CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	3443.	3443.	3443.	3443.	3443.	327.5
5	3447.	3445.	3430.	3417.	3418.	
10	3406.	3398.	3390.	3371.	3376.	942.2
15	3343.	3334.	3324.	3308.	3315.	
20	3239.	3235.	3230.	3212.	3221.	1434.8
25	3108.	3107.	3108.	3085.	3090.	
30	2940.	2945.	2943.	2924.	2925.	1721.3
35	2739.	2759.	2737.	2732.	2728.	
40	2507.	2530.	2510.	2515.	2511.	1755.2
45	2246.	2271.	2261.	2271.	2281.	
50	1959.	1983.	1986.	2003.	2022.	1529.7
55	1644.	1697.	1704.	1726.	1741.	
60	1347.	1398.	1415.	1445.	1467.	1123.3
65	1084.	1087.	1137.	1167.	1187.	
70	827.	832.	875.	903.	926.	674.7
75	602.	603.	637.	666.	688.	
80	386.	397.	434.	463.	472.	277.4
85	193.	230.	261.	284.	291.	
90	99.	125.	146.	162.	164.	90.7
95	82.	73.	81.	92.	89.	
100	83.	59.	51.	53.	53.	49.0
105	79.	52.	38.	37.	37.	
110	63.	44.	30.	28.	29.	28.5
115	48.	34.	24.	21.	23.	
120	34.	24.	17.	16.	18.	12.9
125	24.	16.	11.	12.	13.	
130	16.	10.	0.	7.	8.	1.0
135	10.	0.	0.	0.	0.	
140	0.	0.	0.	0.	0.	.0
145	0.	0.	0.	0.	0.	
150	0.	0.	0.	0.	0.	.0
155	0.	0.	0.	0.	0.	
160	0.	0.	0.	0.	0.	.0
165	0.	0.	0.	0.	0.	
170	0.	0.	0.	0.	0.	.0
175	0.	0.	0.	0.	0.	
180	0.	0.	0.	0.	0.	



## LUMEN SUMMARY

NVLAP LAB CODE 200921-0

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2705.	NA.	27.1	90-120	168.	NA.	1.7
0- 40	4426.	NA.	44.4	90-130	181.	NA.	1.8
0- 60	7711.	NA.	77.4	90-150	182.	NA.	1.8
0- 90	9786.	NA.	98.2	90-180	182.	NA.	1.8
TOTAL LUMINAIRE = 0-180					9968.	NA.	100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 CROSS= 1.3

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

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LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	13115.	10887.	10987.
55	11835.	9410.	9615.
65	10587.	7632.	7966.
75	9603.	5670.	6121.
85	9163.	3610.	4022.

\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

\*\*\*\*\*

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10		.00
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00	
RCR																			
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98	
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.95	.97	.94	.91	.93	.91	.88	.89	.87	.85	.83	
2	1.00	.92	.85	.80	.97	.90	.84	.79	.86	.81	.77	.82	.78	.75	.79	.76	.73	.70	
3	.91	.81	.74	.67	.89	.80	.72	.67	.76	.70	.65	.74	.68	.64	.71	.66	.63	.60	
4	.84	.72	.64	.57	.81	.71	.63	.57	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52	
5	.77	.64	.55	.49	.74	.63	.55	.48	.61	.53	.48	.58	.52	.47	.56	.51	.46	.44	
6	.71	.57	.49	.42	.68	.56	.48	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.38	
7	.65	.52	.43	.37	.63	.51	.42	.37	.49	.42	.36	.47	.41	.36	.46	.40	.35	.33	
8	.60	.46	.38	.32	.58	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29	
9	.55	.41	.33	.28	.53	.41	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25	
10	.51	.38	.30	.24	.50	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22	

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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LAMP TYPE : M700C840D72N2A

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ELECTRICAL CHARACTERISTICS 347.0V .24132 82.242W

LUMINOUS EFFICACY (LUMENS / WATTS) = 121.2

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS  
UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

