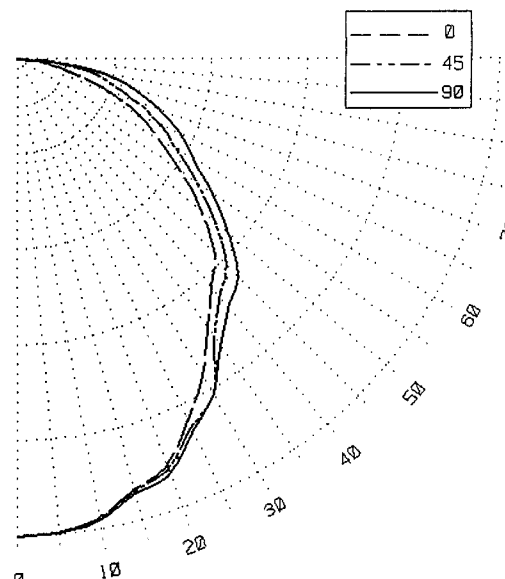


BALLABS CERTIFIED TEST REPORT NO.: 19272.2 DATE 04/01/16  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: 2-72LED 22"ARRAYS 2x4'RECESSED LUMINAIRE  
WHITE REFLECTOR w/WHITE ACRYLIC RIBBED CENTER DIFFUSER  
EVERLINE LED DRIVER #D21CC80UNVTZ-D SET @ 78  
CATALOG NBR: PTR-24-L73/835-A-DIM-UNV  
LAMP TYPE : M700C835D72N2A

## CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	2698.	2698.	2698.	2698.	2698.	
5	2684.	2682.	2684.	2684.	2685.	256.2
10	2633.	2635.	2638.	2642.	2644.	
15	2516.	2519.	2526.	2538.	2543.	716.6
20	2447.	2454.	2470.	2488.	2496.	
25	2258.	2267.	2301.	2313.	2323.	1061.4
30	2069.	2131.	2197.	2302.	2195.	
35	1862.	1879.	1921.	1963.	1981.	1206.8
40	1691.	1711.	1762.	1814.	1839.	
45	1565.	1589.	1655.	1719.	1748.	1281.5
50	1345.	1373.	1444.	1513.	1542.	
55	1123.	1153.	1228.	1303.	1333.	1101.7
60	912.	948.	1028.	1103.	1136.	
65	745.	788.	879.	967.	1007.	871.0
70	546.	601.	708.	807.	846.	
75	349.	417.	540.	640.	680.	558.6
80	196.	286.	414.	485.	504.	
85	76.	156.	200.	202.	204.	190.2
90	0.	0.	0.	0.	0.	



*[Handwritten signature]*

**NVLAP®**

NVLAP LAB CODE 200921-0

## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2034.	NA.	28.1	90-120	0.	NA.	.0
0- 40	3241.	NA.	44.7	90-130	0.	NA.	.0
0- 60	5624.	NA.	77.6	90-150	0.	NA.	.0
0- 90	7244.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE = 0-180					7244.	NA.	100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.2 CROSS= 1.2

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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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	3150.	3329.	3517.
55	2785.	3047.	3306.
65	2508.	2959.	3391.
75	1921.	2968.	3740.
85	1238.	3261.	3328.

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

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#### 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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.05	1.00	.97	1.07	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2	1.00	.92	.85	.80	.97	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.74	.71
3	.92	.81	.74	.67	.89	.80	.73	.67	.77	.71	.65	.74	.69	.64	.72	.67	.63	.61
4	.84	.72	.64	.57	.82	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5	.77	.64	.55	.49	.75	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6	.71	.57	.49	.42	.69	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7	.65	.52	.43	.37	.63	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8	.60	.46	.38	.32	.58	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9	.55	.42	.33	.28	.54	.41	.33	.28	.40	.33	.27	.39	.32	.27	.38	.32	.27	.25
10	.51	.38	.30	.25	.50	.37	.30	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ELECTRICAL CHARACTERISTICS 120.0V .58055A 69.503W

LUMINOUS EFFICACY (LUMENS / WATTS) = 104.2

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

