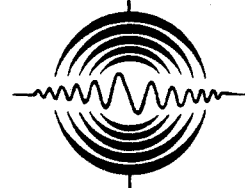


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

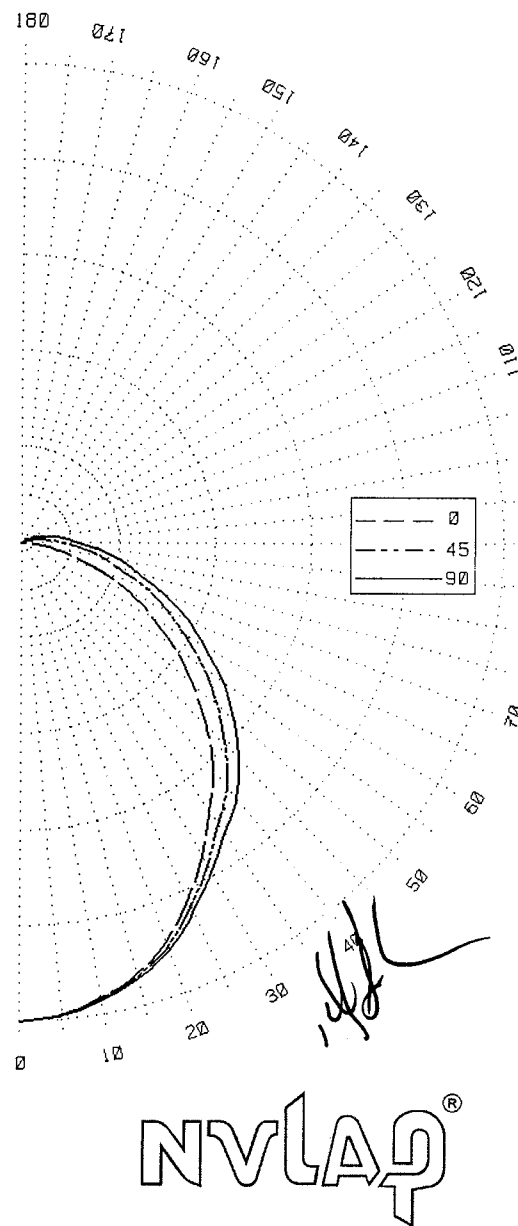
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 19366.0 DATE 05/24/16
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 4-72LED 22"ARRAYS 8'STRIP SURFACE MNT LUMINAIRE RETROFIT
WHITE FLAT REFLECTOR w/FROSTED ACRYLIC RADIAL LENSES
EVERLINE DRIVER #D21CC80UNVTZ-D @ 2100mA
CATALOG NBR: SRK-8-L113/840-AF-DRV-UNV
LAMP TYPE : M700C840D72N2A

CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	4034.	4034.	4034.	4034.	4034.	
5	4000.	3996.	3996.	4000.	3996.	381.6
10	3891.	3891.	3900.	3909.	3914.	
15	3767.	3773.	3782.	3794.	3798.	1072.4
20	3579.	3590.	3619.	3642.	3656.	
25	3318.	3338.	3381.	3415.	3433.	1563.4
30	3041.	3069.	3132.	3184.	3198.	
35	2754.	2792.	2883.	2955.	2978.	1805.4
40	2509.	2563.	2686.	2781.	2808.	
45	2192.	2266.	2420.	2550.	2577.	1862.6
50	1881.	1972.	2146.	2287.	2328.	
55	1571.	1670.	1867.	2012.	2062.	1652.3
60	1267.	1371.	1580.	1722.	1768.	
65	999.	1115.	1344.	1496.	1537.	1296.0
70	718.	857.	1099.	1246.	1278.	
75	453.	605.	843.	979.	1006.	835.0
80	254.	422.	671.	802.	832.	
85	100.	272.	503.	628.	657.	485.9
90	14.	152.	347.	458.	480.	
95	0.	79.	249.	354.	378.	237.7
100	0.	45.	172.	270.	292.	
105	0.	25.	116.	190.	213.	115.7
110	0.	18.	77.	141.	159.	
115	0.	16.	52.	97.	118.	55.7
120	0.	18.	39.	75.	88.	
125	0.	0.	0.	57.	63.	19.8
130	0.	0.	0.	48.	54.	
135	0.	0.	0.	36.	36.	10.5
140	0.	0.	0.	0.	0.	
145	0.	0.	0.	0.	0.	.0
150	0.	0.	0.	0.	0.	
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	
175	0.	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	3017.	NA.	26.5	90-120	409.	NA.	3.6
0- 40	4823.	NA.	42.3	90-130	429.	NA.	3.8
0- 60	8338.	NA.	73.2	90-150	439.	NA.	3.9
0- 90	10955.	NA.	96.1	90-180	439.	NA.	3.9
TOTAL LUMINAIRE = 0-180					11394.	NA.	100.0

IES SPACING CRITERIA: END= 1.1 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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 DESCRIPTION: 4-72LED 22"ARRAYS 8'STRIP SURFACE MNT LUMINAIRE RETROFIT
 WHITE FLAT REFLECTOR w/FROSTED ACRYLIC RADIAL LENSES
 EVERLINE DRIVER #D21CC80UNVTZ-D @ 2100mA
 CATALOG NBR: SRK-8-L113/840-AF-DRV-UNV
 LAMP TYPE : M700C840D72N2A

VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	9459.	7697.	8195.
55	8356.	6580.	7267.
65	7217.	5496.	6283.
75	5345.	4261.	5086.
85	3492.	3466.	4528.

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.98	.98	.98	.96		
1	1.08	1.03	.98	.94	1.05	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.84	.82	.80		
2	.98	.90	.83	.78	.95	.88	.82	.76	.84	.79	.74	.80	.76	.72	.76	.73	.70	.67		
3	.90	.80	.72	.65	.87	.78	.71	.65	.74	.68	.63	.71	.66	.61	.68	.64	.60	.58		
4	.83	.71	.62	.56	.80	.69	.61	.55	.66	.60	.54	.64	.58	.53	.61	.56	.52	.50		
5	.76	.63	.54	.47	.73	.61	.53	.47	.59	.52	.46	.57	.50	.45	.54	.49	.44	.42		
6	.70	.56	.47	.41	.67	.55	.47	.41	.53	.46	.40	.51	.44	.39	.49	.43	.39	.37		
7	.64	.51	.42	.36	.62	.50	.41	.36	.48	.40	.35	.46	.39	.35	.44	.38	.34	.32		
8	.59	.46	.37	.31	.57	.45	.37	.31	.43	.36	.31	.41	.35	.30	.40	.34	.30	.28		
9	.55	.41	.33	.27	.53	.40	.32	.27	.39	.32	.27	.37	.31	.26	.36	.30	.26	.24		
10	.51	.37	.29	.24	.49	.37	.29	.24	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21		

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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EVERLINE DRIVER #D21CC80UNVTZ-D @ 2100mA
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LAMP TYPE : M700C840D72N2A

ELECTRICAL CHARACTERISTICS 120.0V .7072A 84.76W

LUMINOUS EFFICACY (LUMENS / WATTS) = 134.4

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

