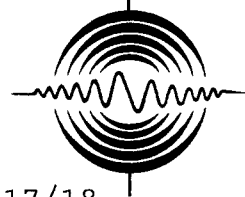


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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

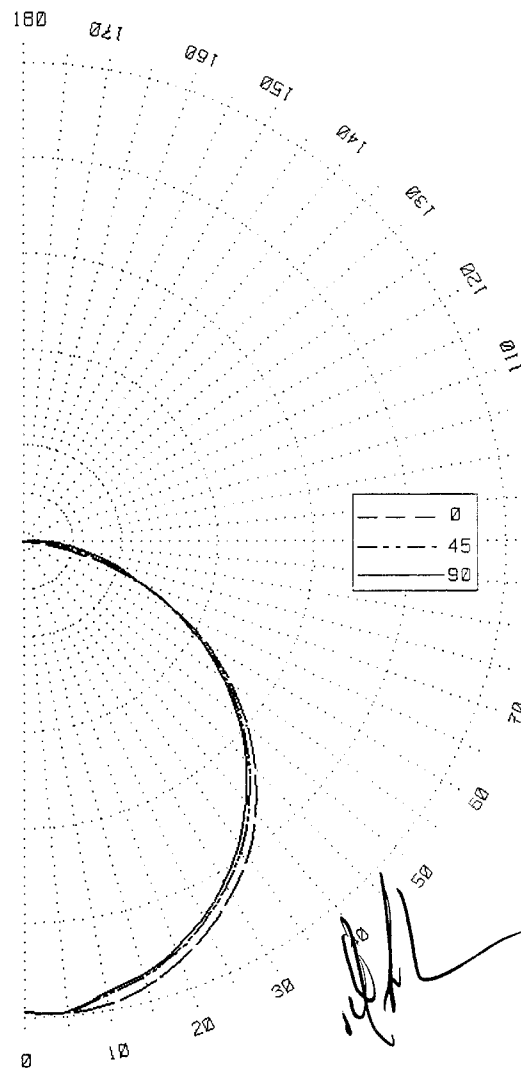


SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS CERTIFIED TEST REPORT NO.: 20625.0 DATE 10/17/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 4-56 LED ARRAYS 4'SURFACE MNT LUMINAIRE w/WHITE REFL
WHITE FROST INTERIOR LENS w/WHITE POLYCARB LENS
2 EVERLINE #DICC55UNVPW-C @ 950mA
CATALOG NBR: AVX-4-L100/835-WPC-DIM-UNV
LAMP TYPE : HLM2256_5630 REV B 10560222

CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	2343.	2343.	2343.	2343.	2343.	
5	2373.	2341.	2326.	2319.	2315.	222.6
10	2341.	2307.	2292.	2286.	2279.	
15	2292.	2260.	2243.	2235.	2228.	637.7
20	2222.	2188.	2174.	2165.	2159.	
25	2139.	2109.	2089.	2075.	2069.	969.3
30	2029.	2000.	1981.	1970.	1960.	
35	1911.	1879.	1859.	1840.	1839.	1170.4
40	1770.	1734.	1721.	1707.	1693.	
45	1604.	1587.	1563.	1548.	1540.	1214.0
50	1434.	1415.	1394.	1378.	1374.	
55	1245.	1229.	1220.	1198.	1196.	1091.8
60	1048.	1029.	1019.	1012.	1003.	
65	836.	816.	816.	817.	820.	813.3
70	613.	607.	614.	625.	621.	
75	393.	402.	424.	461.	466.	453.9
80	184.	213.	267.	314.	330.	
85	44.	84.	148.	195.	209.	151.1
90	0.	20.	67.	106.	120.	
95	0.	0.	20.	46.	56.	25.5
100	0.	0.	2.	12.	20.	
105	0.	0.	0.	1.	4.	.8
110	0.	0.	0.	0.	0.	.0
115	0.	0.	0.	0.	0.	.0
120	0.	0.	0.	0.	0.	.0
125	0.	0.	0.	0.	0.	.0
130	0.	0.	0.	0.	0.	.0
135	0.	0.	0.	0.	0.	.0
140	0.	0.	0.	0.	0.	.0
145	0.	0.	0.	0.	0.	.0
150	0.	0.	0.	0.	0.	.0
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	.0
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	.0
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	.0



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1830.	NA.	27.1	90-120	26.	NA.	.4
0- 40	3000.	NA.	44.4	90-130	26.	NA.	.4
0- 60	5306.	NA.	78.6	90-150	26.	NA.	.4
0- 90	6724.	NA.	99.6	90-180	26.	NA.	.4

TOTAL LUMINAIRE = 0-180 6750. NA. 100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 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	10664.	9386.	9246.
55	10199.	8671.	8497.
65	9297.	7381.	7413.
75	7146.	5498.	6044.
85	2393.	3595.	5066.

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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2	1.00	.92	.86	.80	.97	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3	.92	.82	.74	.68	.89	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4	.84	.73	.64	.58	.82	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5	.77	.64	.55	.49	.75	.63	.55	.48	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6	.71	.57	.49	.42	.69	.56	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7	.65	.51	.43	.37	.63	.51	.42	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8	.60	.46	.38	.32	.58	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9	.55	.41	.33	.27	.54	.41	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25
10	.51	.38	.29	.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 : HLM2256_5630 REV B 10560222

ELECTRICAL CHARACTERISTICS 120.05V .7360A 88.0700W

LUMINOUS EFFICACY (LUMENS / WATTS) = 76.7

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

