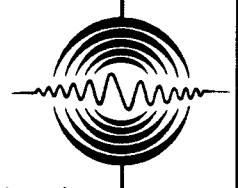


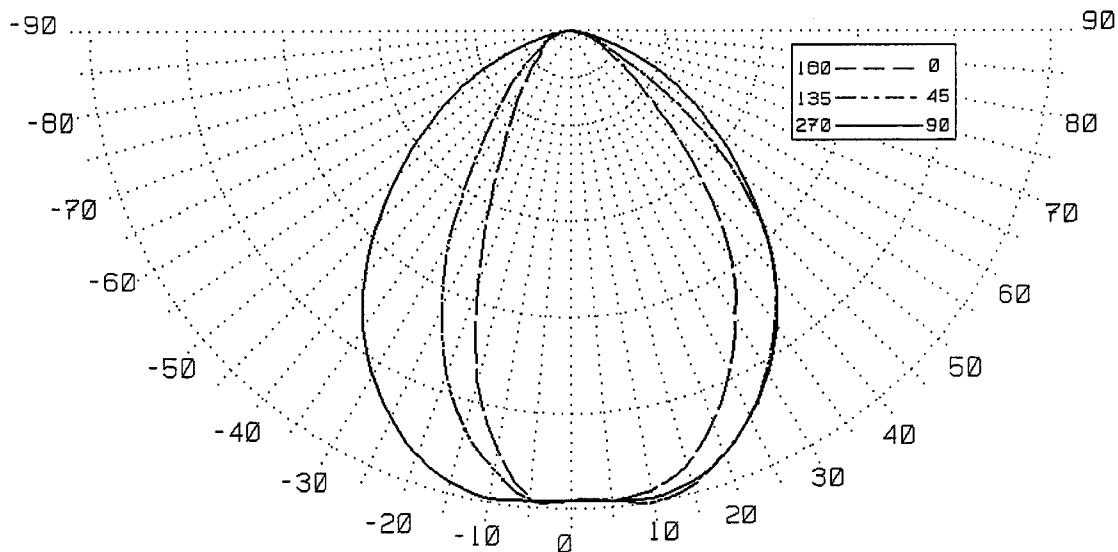
BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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



BALLABS CERTIFIED TEST REPORT NO.: 20126.0 DATE 11/29/17
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 2-56 LED 22"ARRAYS 4'RECESSED PERIMETER CONTINUOUS PX
WHITE REFLECTOR w/FROSTED ACRYLIC LENS
ADVANCE #XI040C110V054BST1 @800mA
CATALOG NBR: PXF-42-03'08-L10/835-W-LCAP/RCAP-DIM-UNV
LAMP TYPE : HLM2256_5630 REV A #20560227

0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1587.	NA.	40.6	90-120	0.	NA.	.0
0- 40	2406.	NA.	61.5	90-130	0.	NA.	.0
0- 60	3523.	NA.	90.0	90-150	0.	NA.	.0
0- 90	3914.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	3914.	NA.	100.0

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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CANDLEPOWER DISTRIBUTION
 0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER

VERT	HORIZONTAL									LUMENS		TOTAL
	.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	FRONT	BACK	
0	2188.	2188.	2188.	2188.	2188.	2188.	2188.	2188.	2188.			
5	2211.	2222.	2222.	2208.	2217.	2204.	2156.	2118.	2101.	105.7	103.1	208.9
10	2175.	2234.	2233.	2211.	2211.	2165.	2075.	2000.	1974.			
15	2095.	2204.	2193.	2190.	2175.	2072.	1918.	1731.	1682.	311.4	269.5	580.9
20	1945.	2110.	2101.	2135.	2101.	1950.	1693.	1379.	1263.			
25	1760.	1993.	1987.	2040.	1983.	1815.	1416.	1045.	885.	466.7	330.9	797.6
30	1548.	1821.	1837.	1907.	1849.	1623.	1132.	723.	618.			
35	1321.	1603.	1668.	1754.	1684.	1349.	811.	508.	453.	527.2	291.6	818.8
40	1020.	1298.	1496.	1584.	1486.	1129.	578.	384.	336.			
45	720.	913.	1265.	1375.	1271.	907.	427.	286.	246.	442.9	230.9	673.9
50	483.	578.	965.	1147.	1052.	679.	312.	210.	173.			
55	332.	399.	650.	931.	843.	489.	210.	158.	161.	298.4	145.1	443.5
60	222.	281.	384.	714.	662.	321.	139.	150.	145.			
65	165.	190.	223.	523.	494.	187.	127.	130.	119.	176.8	78.6	255.4
70	119.	158.	147.	346.	320.	106.	115.	96.	89.			
75	72.	110.	110.	182.	173.	76.	81.	60.	52.	77.3	36.0	113.3
80	31.	67.	61.	81.	83.	49.	37.	23.	15.			
85	6.	32.	23.	32.	15.	12.	8.	5.	2.	17.5	4.6	22.1
90	3.	3.	0.	3.	3.	3.	2.	2.	2.			

USE .323 FT. AS LENGTH AND 3.688 FT. AS WIDTH

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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	1.12	1.08	1.05	1.02	1.09	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2	1.04	.98	.92	.88	1.02	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.84	.81	.79
3	.97	.89	.82	.77	.95	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4	.90	.80	.73	.68	.88	.79	.72	.67	.77	.71	.66	.75	.70	.65	.73	.68	.65	.63
5	.83	.73	.65	.59	.81	.71	.64	.59	.70	.63	.59	.68	.62	.58	.66	.61	.57	.56
6	.78	.66	.59	.53	.76	.65	.58	.53	.64	.57	.52	.62	.56	.52	.61	.56	.52	.50
7	.72	.60	.53	.47	.71	.60	.52	.47	.58	.52	.47	.57	.51	.47	.55	.50	.46	.44
8	.67	.55	.47	.42	.65	.54	.47	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.39
9	.62	.50	.42	.37	.61	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.40	.36	.35
10	.58	.45	.38	.33	.57	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ELECTRICAL CHARACTERISTICS 120.02V .3119A 37.222W

LUMINOUS EFFICACY (LUMENS / WATTS) = 105.1

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

