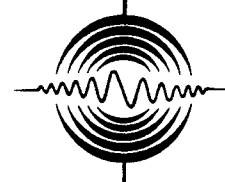


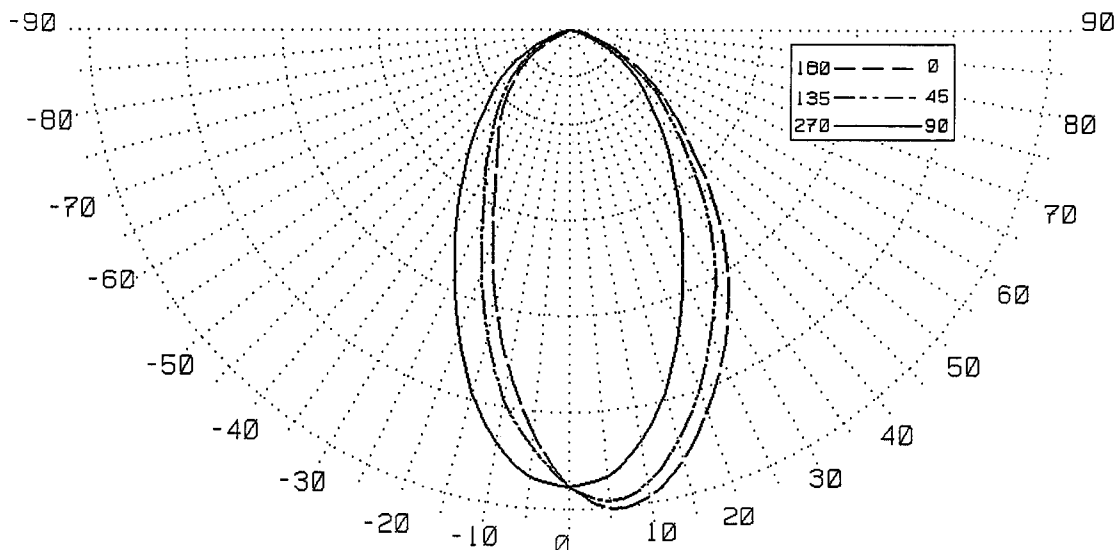
BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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



BALLABS CERTIFIED TEST REPORT NO.: 20736.0 DATE 01/23/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: BRIDGELUX VERO13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT
WHITE REFL w/ANGLED DIFFUSE ACRYLIC LENS & SEMI-SPEC CONE
ADVANCE #XI036C100V054DSM1 @ 470mA
CATALOG NBR: 6DR-TL-L20/835-DIM-UNV-AWW-OF-CS-AD
LAMP TYPE : BRIDGELUX V13 BXRE-35E2000

0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER



[Handwritten signature]

NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	407.	NA.	45.1	90-120	0.	NA.	.0
0- 40	589.	NA.	65.2	90-130	0.	NA.	.0
0- 60	842.	NA.	93.2	90-150	0.	NA.	.0
0- 90	903.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	903.	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		
	.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	FRONT	BACK	TOTAL
0	681.	681.	681.	681.	681.	681.	681.	681.	681.			
5	715.	712.	704.	691.	667.	648.	624.	609.	604.	33.5	30.0	63.5
10	704.	699.	686.	660.	624.	593.	561.	530.	514.			
15	665.	660.	635.	599.	560.	513.	470.	436.	424.	89.2	67.3	156.5
20	606.	601.	574.	534.	481.	427.	383.	344.	333.			
25	545.	534.	502.	460.	404.	352.	305.	273.	262.	115.0	72.4	187.3
30	478.	468.	439.	391.	338.	285.	249.	222.	214.			
35	411.	404.	373.	324.	278.	240.	204.	188.	183.	114.3	67.3	181.5
40	340.	333.	304.	266.	229.	198.	171.	156.	153.			
45	269.	263.	240.	212.	185.	165.	139.	129.	124.	91.9	56.9	148.8
50	214.	208.	192.	171.	151.	132.	111.	101.	96.			
55	167.	163.	152.	130.	119.	101.	84.	70.	69.	65.7	38.4	104.0
60	128.	122.	110.	99.	89.	75.	56.	40.	34.			
65	88.	82.	76.	66.	55.	38.	18.	6.	3.	36.6	11.0	47.5
70	55.	56.	50.	44.	30.	14.	0.	0.	0.			
75	34.	32.	29.	20.	11.	0.	0.	0.	0.	13.9	.0	13.9
80	16.	16.	12.	6.	1.	0.	0.	0.	0.			
85	0.	0.	0.	0.	0.	0.	0.	0.	0.	.0	.0	.0
90	0.	0.	0.	0.	0.	0.	0.	0.	0.			

USE .469 FT. AS LENGTH AND .469 FT. AS WIDTH

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 LAMP TYPE : BRIDGELUX V13 BXRE-35E2000

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	.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	1.09	1.06	1.03	1.10	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91			
2	1.05	.99	.94	.90	1.03	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.82			
3	.98	.91	.84	.80	.96	.89	.83	.79	.86	.82	.78	.84	.80	.76	.81	.78	.75	.73			
4	.92	.83	.76	.71	.90	.81	.75	.70	.79	.74	.69	.77	.72	.68	.75	.71	.68	.66			
5	.85	.75	.68	.63	.83	.74	.67	.62	.72	.66	.62	.70	.65	.61	.69	.64	.60	.59			
6	.80	.69	.61	.56	.78	.68	.61	.56	.66	.60	.56	.65	.59	.55	.63	.59	.55	.53			
7	.74	.63	.56	.51	.73	.62	.55	.50	.61	.55	.50	.60	.54	.50	.58	.53	.49	.48			
8	.69	.58	.50	.45	.68	.57	.50	.45	.56	.49	.45	.54	.49	.45	.53	.48	.44	.43			
9	.64	.52	.45	.40	.63	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.44	.40	.38			
10	.60	.48	.41	.37	.59	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34			

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ELECTRICAL CHARACTERISTICS 120.16V .1608A 19.1570W

LUMINOUS EFFICACY (LUMENS / WATTS) = 47.2

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

