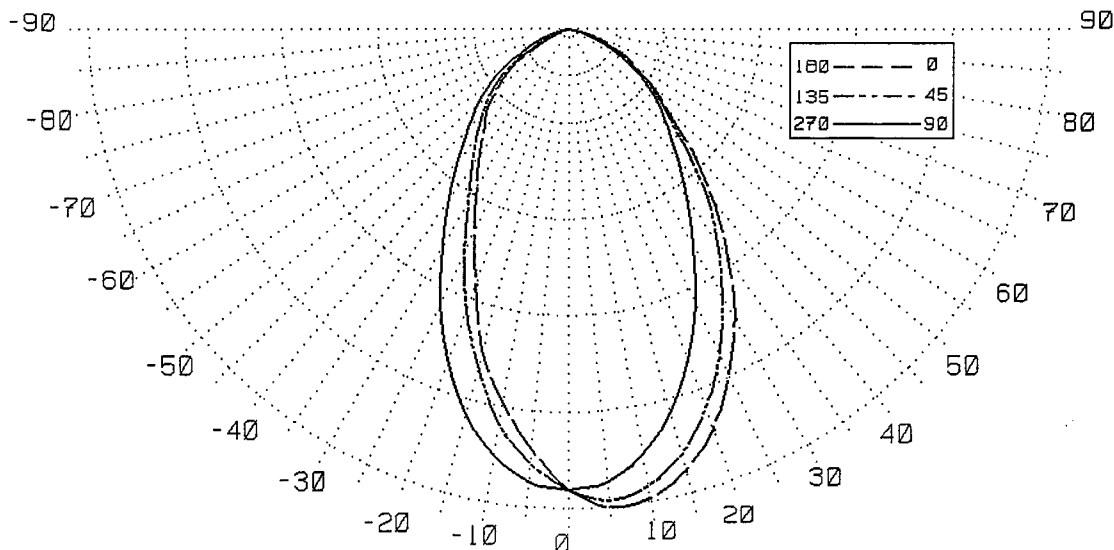


BALLABS CERTIFIED TEST REPORT NO.: 20749.0 DATE 02/11/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: BRIDGELUX VERO13 LED 4"RND RECESS SHALLOW PLENUM DOWNLIGHT
4"ASYMMETRIC WHITE TRIM w/ANGLED FROST ACRYLIC LENS
ADVANCE #XI036C100V054DSM1 @ 565mA
CATALOG NBR: 4PR-TL-L20/835-DIM-UNV-AW-OF-WH-AD
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	551.	NA.	43.5	90-120	0.	NA.	.0
0- 40	801.	NA.	63.4	90-130	0.	NA.	.0
0- 60	1161.	NA.	91.7	90-150	0.	NA.	.0
0- 90	1265.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	1265.	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	856.	856.	856.	856.	856.	856.	856.	856.	856.			
5	891.	887.	879.	866.	844.	828.	811.	792.	784.	41.8	38.6	80.5
10	884.	878.	861.	835.	803.	772.	745.	720.	705.			
15	849.	842.	819.	784.	741.	697.	651.	624.	621.	115.2	93.6	208.8
20	793.	782.	752.	709.	656.	604.	555.	521.	505.			
25	711.	701.	671.	619.	564.	509.	457.	429.	414.	152.8	108.6	261.3
30	623.	608.	577.	524.	470.	420.	372.	357.	342.			
35	522.	516.	487.	438.	387.	349.	314.	294.	288.	149.8	101.0	250.8
40	428.	419.	401.	356.	318.	292.	266.	252.	243.			
45	331.	320.	304.	284.	263.	249.	226.	213.	213.	117.1	89.6	206.7
50	246.	242.	235.	226.	220.	204.	189.	175.	169.			
55	195.	193.	190.	184.	175.	169.	146.	134.	131.	84.5	67.8	152.3
60	150.	145.	142.	142.	132.	122.	101.	86.	79.			
65	109.	107.	100.	93.	86.	76.	54.	38.	33.	49.8	28.4	78.2
70	75.	71.	68.	58.	49.	33.	20.	18.	20.			
75	47.	44.	39.	29.	20.	12.	11.	11.	12.	19.1	5.9	25.0
80	21.	19.	12.	7.	4.	4.	4.	4.	6.			
85	2.	1.	1.	0.	1.	1.	1.	2.	1.	.3	.9	1.2
90	0.	0.	0.	0.	0.	0.	0.	0.	0.			

USE .333 FT. AS LENGTH AND .333 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	.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	1.02	1.02	1.00	
1	1.12	1.09	1.05	1.03	1.09	1.06	1.04	1.01	1.02	1.00	.98	.98	.97	.95	.95	.94	.92	.92	.92	.90	
2	1.05	.99	.93	.89	1.02	.97	.92	.88	.93	.90	.86	.90	.87	.84	.88	.85	.83	.83	.83	.81	
3	.98	.90	.83	.78	.96	.88	.82	.78	.85	.81	.77	.83	.79	.75	.81	.77	.74	.74	.74	.72	
4	.91	.82	.75	.69	.89	.80	.74	.69	.78	.72	.68	.76	.71	.67	.74	.70	.66	.66	.66	.65	
5	.84	.74	.67	.61	.83	.73	.66	.61	.71	.65	.60	.69	.64	.60	.67	.63	.59	.59	.59	.57	
6	.79	.68	.60	.55	.77	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.53	.53	.52	
7	.73	.62	.54	.49	.72	.61	.54	.49	.60	.53	.49	.58	.53	.48	.57	.52	.48	.48	.48	.46	
8	.68	.56	.49	.44	.67	.56	.49	.44	.54	.48	.43	.53	.47	.43	.52	.47	.43	.43	.43	.41	
9	.63	.51	.44	.39	.62	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.38	.38	.37	
10	.59	.47	.40	.35	.58	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.35	.35	.33	

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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LAMP TYPE : BRIDGELUX V13 BXRE-35E2000

ELECTRICAL CHARACTERISTICS 120.02V .1929A 23.0040W

LUMINOUS EFFICACY (LUMENS / WATTS) = 55.0

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

