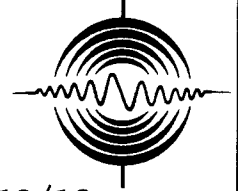


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

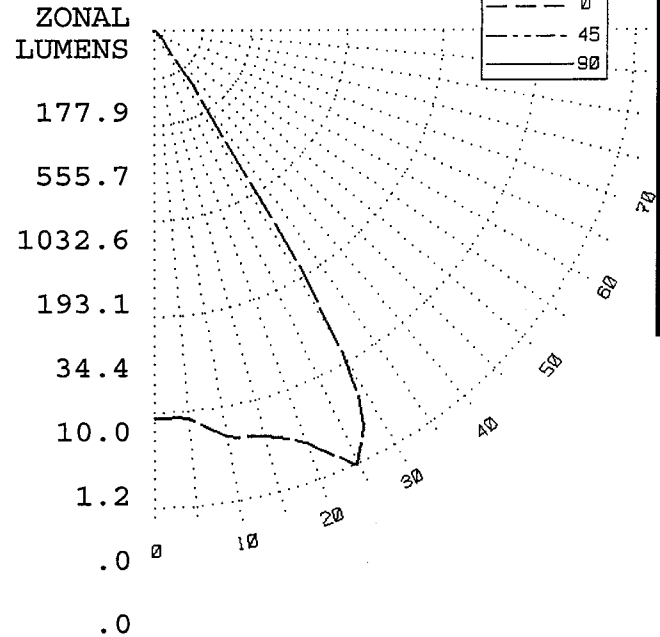
1618 HEADLAND DR.
FENTON, MO 63026
(636) 343-6006
(636) 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 20685.0 DATE 12/13/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 1 BRIDGELUX V13 LED 4"RND RECESSED CAST HOUSING DOWNLIGHT
OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)
ADVANCE #XI025C070V054DSM5 @ 490mA
CATALOG NBR: 4DR-TL-L20/835-DIM1-UNV-OW(V2B)-OF-CS
LAMP TYPE : V13 BXRE-35E2000

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	1810.
5	1864.
10	1920.
15	1960.
20	2047.
25	2231.
30	1748.
35	307.
40	80.
45	44.
50	23.
55	11.
60	5.
65	1.
70	1.
75	0.
80	0.
85	0.
90	0.



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

NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1766.	NA.	88.1	90-120	0.	NA.	.0
0- 40	1959.	NA.	97.7	90-130	0.	NA.	.0
0- 60	2004.	NA.	99.9	90-150	0.	NA.	.0
0- 90	2005.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	2005.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.2 DIAGONAL= .9

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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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE
 VERT
 ANGLE

45	6423.
55	1998.
65	290.
75	0.
85	0.

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	1.14	1.12	1.10	1.08	1.12	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95		
2	1.09	1.05	1.01	.98	1.07	1.03	1.00	.97	1.00	.98	.95	.97	.95	.93	.95	.93	.91	.90		
3	1.05	.99	.95	.91	1.03	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.85		
4	1.00	.93	.88	.85	.98	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80		
5	.95	.88	.83	.79	.94	.87	.82	.79	.85	.81	.78	.84	.80	.77	.82	.79	.77	.75		
6	.91	.84	.78	.74	.90	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71		
7	.87	.79	.74	.70	.86	.79	.74	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.68		
8	.83	.75	.69	.66	.82	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.63		
9	.79	.70	.64	.61	.78	.69	.64	.61	.68	.64	.60	.67	.63	.60	.67	.63	.60	.59		
10	.74	.65	.60	.56	.73	.65	.60	.56	.64	.59	.56	.63	.59	.56	.63	.59	.56	.54		

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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LAMP TYPE : V13 BXRE-35E2000

ELECTRICAL CHARACTERISTICS 120.01V .1686A 19.8520W

LUMINOUS EFFICACY (LUMENS / WATTS) = 101.0

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

