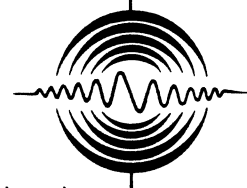


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

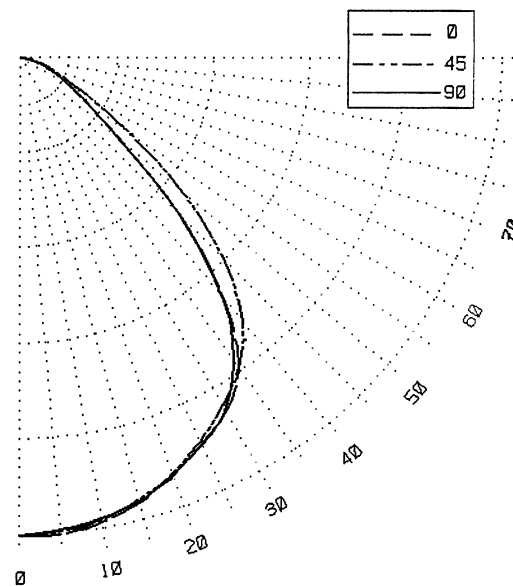
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) - 343-6006  
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 20372.0 DATE 04/30/18  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" SQ FORMED HOUSING DOWNLIGHT  
NO OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM  
w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA  
CATALOG NBR: 6PS-L40/835-DIM-UNV-L-W-OF-WH  
LAMP TYPE : BXRE-35E4000

## CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	2230.	2230.	2230.	2230.	2230.	
5	2230.	2223.	2218.	2212.	2211.	211.8
10	2201.	2190.	2189.	2182.	2182.	
15	2150.	2142.	2134.	2137.	2140.	606.5
20	2078.	2068.	2069.	2075.	2080.	
25	1999.	1995.	1979.	1991.	1995.	921.2
30	1914.	1898.	1882.	1892.	1905.	
35	1774.	1766.	1772.	1768.	1731.	1108.5
40	1474.	1515.	1610.	1529.	1466.	
45	1058.	1150.	1336.	1188.	1048.	915.2
50	622.	719.	986.	803.	616.	
55	400.	438.	627.	462.	385.	430.6
60	267.	293.	364.	303.	269.	
65	192.	202.	232.	207.	193.	206.8
70	135.	138.	148.	141.	133.	
75	84.	85.	90.	90.	85.	92.4
80	46.	46.	48.	47.	46.	
85	17.	15.	15.	14.	17.	16.2
90	0.	0.	0.	0.	0.	



*[Handwritten signature]*

**NVLAP**<sup>®</sup>  
TESTING

NVLAP LAB CODE 200921-0

## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1739.	NA.	38.6	90-120	0.	NA.	.0
0- 40	2848.	NA.	63.2	90-130	0.	NA.	.0
0- 60	4194.	NA.	93.0	90-150	0.	NA.	.0
0- 90	4509.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE = 0-180				4509.	NA.	100.0	

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 CROSS= 1.3

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	63913.	80709.	63347.
55	29780.	46686.	28694.
65	19366.	23471.	19472.
75	13921.	14780.	14093.
85	8166.	7145.	8166.

\*\*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	1.12	1.08	1.05	1.02	1.09	1.06	1.03	1.01	1.02	1.00	.98	.98	.96	.95	.95	.93	.92	.90
2	1.05	.98	.93	.89	1.02	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.85	.82	.81
3	.98	.89	.83	.78	.95	.88	.82	.77	.85	.80	.76	.83	.78	.75	.80	.77	.74	.72
4	.91	.81	.74	.69	.89	.80	.73	.68	.78	.72	.68	.75	.71	.67	.73	.69	.66	.64
5	.84	.73	.66	.61	.82	.72	.65	.60	.70	.64	.60	.69	.63	.59	.67	.62	.59	.57
6	.78	.67	.59	.54	.77	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.53	.51
7	.73	.61	.53	.48	.71	.60	.53	.48	.59	.52	.47	.57	.51	.47	.56	.51	.47	.45
8	.67	.55	.47	.42	.66	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9	.62	.50	.42	.37	.61	.49	.42	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.35
10	.57	.45	.38	.33	.56	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.36	.32	.31

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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LAMP TYPE : BXRE-35E4000

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ELECTRICAL CHARACTERISTICS 120.05V .3721A 44.5200W

LUMINOUS EFFICACY (LUMENS / WATTS) = 101.3

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

