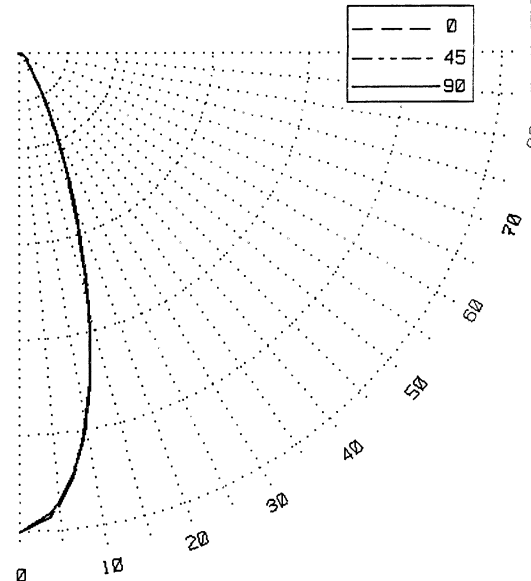


BALLABS CERTIFIED TEST REPORT NO.: 20375.0 DATE 04/30/18  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" SQ FORMED HOUSING DOWNLIGHT  
ACRYLIC NARROW TIR OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM  
w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA  
CATALOG NBR: 6PS-L40/835-DIM-UNV-L-N-OF-WH  
LAMP TYPE : BXRE-35E4000

## CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	9954.	9954.	9954.	9954.	9954.	
5	9466.	9405.	9392.	9444.	9386.	898.9
10	7886.	7860.	7881.	7897.	7843.	
15	5533.	5417.	5584.	5537.	5550.	1564.7
20	3195.	3241.	3340.	3379.	3272.	
25	1726.	1812.	1843.	1813.	1812.	837.5
30	946.	943.	943.	989.	952.	
35	513.	519.	540.	556.	550.	337.0
40	328.	324.	342.	348.	334.	
45	243.	250.	265.	258.	262.	198.5
50	192.	198.	216.	206.	203.	
55	151.	156.	172.	163.	156.	144.6
60	117.	121.	133.	125.	121.	
65	83.	85.	93.	92.	86.	87.9
70	53.	55.	60.	58.	56.	
75	31.	33.	35.	33.	31.	35.0
80	14.	13.	14.	14.	13.	
85	2.	3.	3.	3.	3.	3.2
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	3301.	NA.	80.4	90-120	0.	NA.	.0
0- 40	3638.	NA.	88.6	90-130	0.	NA.	.0
0- 60	3981.	NA.	96.9	90-150	0.	NA.	.0
0- 90	4107.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	4107.	NA.	100.0

IES SPACING CRITERIA: END= .5 DIAGONAL = .5 CROSS= .5

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.

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

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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	14678.	15990.	15803.
55	11242.	12782.	11627.
65	8361.	9406.	8674.
75	5119.	5802.	5119.
85	1013.	1520.	1520.

\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

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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	1.14	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	.97	.95	.97	.95	.93	.94	.92	.91	.89
3	1.05	.99	.94	.91	1.03	.98	.94	.90	.95	.92	.89	.93	.90	.87	.91	.88	.86	.85
4	1.00	.93	.88	.85	.98	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80
5	.96	.88	.83	.79	.94	.87	.83	.79	.86	.81	.78	.84	.80	.78	.83	.79	.77	.76
6	.92	.84	.79	.75	.91	.84	.79	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.72
7	.89	.80	.75	.72	.87	.80	.75	.71	.79	.74	.71	.77	.74	.71	.76	.73	.70	.69
8	.85	.77	.71	.68	.84	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9	.81	.73	.68	.64	.80	.72	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.62
10	.78	.69	.64	.61	.77	.69	.64	.61	.68	.64	.61	.67	.63	.60	.67	.63	.60	.59

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ELECTRICAL CHARACTERISTICS 120.05V .3719A 44.4870W

LUMINOUS EFFICACY (LUMENS / WATTS) = 92.3

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

