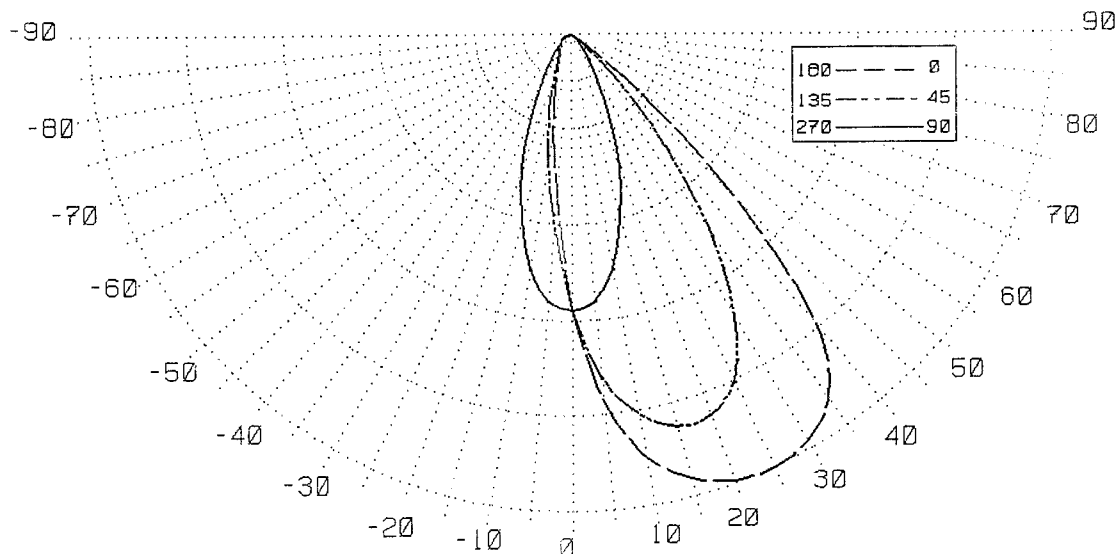


BALLABS CERTIFIED TEST REPORT NO.: 20435.0 DATE 05/15/18  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 25 TILT  
ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM TRIM w/ ANGLED SOLITE  
LENS ADVANCE # XI050C140V054DSM5 @ 1060mA  
CATALOG NBR: 6AR-L40/835-DIM-UNV-A-W-OF-WH (25 DEG TILT)  
LAMP TYPE : BXRE-35E4000

0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER



*[Handwritten signature]*

**NVLAP**<sup>®</sup>  
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1664.	NA.	55.9	90-120	0.	NA.	.0
0- 40	2422.	NA.	81.4	90-130	0.	NA.	.0
0- 60	2919.	NA.	98.1	90-150	0.	NA.	.0
0- 90	2976.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE = 0-180				2976.	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.

BALLABS CERTIFIED TEST REPORT NO.: 20435.0 DATE 05/15/18  
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
 DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 25 TILT  
 ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM TRIM w/ ANGLED SOLITE  
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA  
 CATALOG NBR: 6AR-L40/835-DIM-UNV-A-W-OF-WH (25 DEG TILT)  
 LAMP TYPE : BXRE-35E4000

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	2578.	2578.	2578.	2578.	2578.	2578.	2578.	2578.	2578.			
5	3458.	3448.	3230.	2915.	2503.	2107.	1789.	1588.	1499.	151.8	88.2	240.0
10	4019.	3945.	3606.	2987.	2229.	1574.	1193.	973.	905.			
15	4290.	4222.	3795.	2865.	1794.	1080.	739.	552.	523.	502.2	115.7	617.9
20	4433.	4339.	3795.	2552.	1329.	686.	430.	326.	333.			
25	4469.	4339.	3585.	1992.	860.	411.	272.	225.	217.	732.6	73.5	806.1
30	4398.	4175.	3032.	1335.	514.	254.	194.	172.	168.			
35	4168.	3745.	2300.	757.	292.	178.	157.	148.	149.	707.0	51.2	758.2
40	3572.	2977.	1369.	413.	188.	148.	138.	134.	133.			
45	2178.	1617.	664.	203.	134.	126.	124.	122.	124.	352.4	48.0	400.4
50	811.	554.	232.	116.	109.	110.	110.	109.	109.			
55	232.	173.	95.	81.	88.	89.	88.	87.	87.	57.1	39.3	96.4
60	77.	64.	58.	60.	64.	65.	64.	64.	63.			
65	45.	42.	41.	43.	44.	50.	42.	40.	41.	21.2	22.3	43.5
70	32.	30.	27.	25.	23.	21.	19.	22.	23.			
75	22.	19.	16.	12.	11.	7.	10.	14.	16.	8.1	5.6	13.7
80	10.	6.	4.	1.	0.	0.	2.	3.	6.			
85	2.	0.	0.	0.	0.	0.	0.	0.	0.	.0	.0	.0
90	0.	0.	0.	0.	0.	0.	0.	0.	0.			

USE .500 FT. AS LENGTH AND .500 FT. AS WIDTH

BALLABS CERTIFIED TEST REPORT NO.: 20435.0 DATE 05/15/18  
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
 DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 25 TILT  
 ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM TRIM w/ ANGLED SOLITE  
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA  
 CATALOG NBR: 6AR-L40/835-DIM-UNV-A-W-OF-WH (25 DEG TILT)  
 LAMP TYPE : BXRE-35E4000

# 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	1.13	1.10	1.08	1.05	1.11	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93			
2	1.07	1.02	.98	.94	1.05	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86			
3	1.01	.95	.89	.85	.99	.93	.88	.84	.91	.86	.83	.88	.85	.82	.86	.83	.81	.79			
4	.96	.88	.82	.77	.94	.86	.81	.77	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72			
5	.90	.81	.75	.70	.88	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66			
6	.85	.75	.69	.64	.83	.75	.69	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.61			
7	.80	.70	.63	.59	.79	.69	.63	.59	.68	.62	.58	.67	.62	.58	.65	.61	.58	.56			
8	.75	.64	.58	.53	.74	.64	.58	.53	.63	.57	.53	.62	.56	.53	.61	.56	.53	.51			
9	.70	.59	.53	.48	.69	.59	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.46			
10	.66	.55	.48	.44	.64	.54	.48	.44	.53	.48	.44	.52	.47	.44	.52	.47	.43	.42			

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

BALLABS CERTIFIED TEST REPORT NO.: 20435.0 DATE 05/15/18  
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
 DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 25 TILT  
 ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM TRIM w/ ANGLED SOLITE  
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA  
 CATALOG NBR: 6AR-L40/835-DIM-UNV-A-W-OF-WH (25 DEG TILT)  
 LAMP TYPE : BXRE-35E4000

\*\*\*\*\*

ELECTRICAL CHARACTERISTICS 120.05V .3469A 41.4880W

LUMINOUS EFFICACY (LUMENS / WATTS) = 71.7

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

