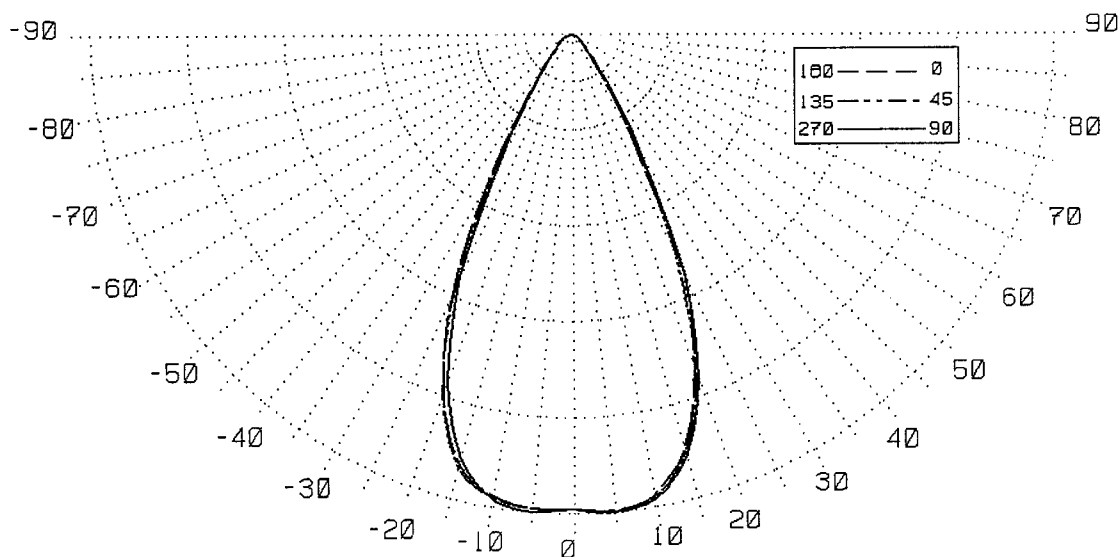


BALLABS CERTIFIED TEST REPORT NO.: 20425.0 DATE 05/03/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 0 TILT
ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM FLUSH TRIM w/SOLITE
LENS ADVANCE # XI050C140V054DSM5 @ 1060mA
CATALOG NBR: 6AR-L40/835-DIM-UNV-L-W-OF-WH (0 DEG TILT)
LAMP TYPE : BXRE-35E4000

0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER



[Handwritten signature]



NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2680.	NA.	78.3	90-120	0.	NA.	.0
0- 40	3081.	NA.	90.1	90-130	0.	NA.	.0
0- 60	3323.	NA.	97.1	90-150	0.	NA.	.0
0- 90	3421.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	3421.	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.: 20425.0 DATE 05/03/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM FLUSH TRIM w/SOLITE
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA
 CATALOG NBR: 6AR-L40/835-DIM-UNV-L-W-OF-WH (0 DEG TILT)
 LAMP TYPE : BXRE-35E4000

CANDLEPOWER DISTRIBUTION
 0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER

VERT	HORIZONTAL									LUMENS		TOTAL
	.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	FRONT	BACK	
0	4356.	4356.	4356.	4356.	4356.	4356.	4356.	4356.	4356.			
5	4381.	4395.	4399.	4399.	4389.	4373.	4362.	4342.	4358.	209.9	208.0	417.8
10	4283.	4306.	4314.	4324.	4318.	4313.	4303.	4288.	4287.			
15	3940.	3950.	3972.	3977.	4016.	3997.	4105.	4110.	4078.	561.8	574.5	1136.3
20	3262.	3247.	3318.	3320.	3365.	3409.	3500.	3543.	3494.			
25	2421.	2231.	2257.	2304.	2446.	2512.	2577.	2679.	2609.	524.7	600.7	1125.4
30	1082.	1138.	1197.	1273.	1287.	1392.	1443.	1479.	1540.			
35	533.	523.	546.	596.	645.	681.	622.	755.	730.	175.7	225.5	401.3
40	274.	277.	286.	291.	336.	344.	386.	358.	368.			
45	156.	160.	168.	183.	198.	214.	209.	210.	223.	66.3	82.1	148.4
50	115.	114.	121.	130.	142.	148.	151.	155.	163.			
55	86.	88.	93.	99.	106.	111.	115.	120.	129.	41.9	51.8	93.7
60	73.	75.	78.	80.	85.	88.	93.	94.	104.			
65	60.	58.	60.	60.	62.	68.	68.	75.	79.	29.2	35.4	64.6
70	45.	43.	44.	44.	46.	48.	51.	57.	61.			
75	28.	27.	26.	25.	28.	31.	34.	37.	43.	13.9	18.0	31.9
80	14.	12.	13.	12.	12.	16.	18.	20.	22.			
85	1.	0.	0.	0.	0.	0.	3.	6.	10.	.0	1.7	1.7
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.: 20425.0 DATE 05/03/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 6"TALL HEATSINK 6"RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC WIDE TIR OPTIC & 6"WHITE ASYM FLUSH TRIM w/SOLITE
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA
 CATALOG NBR: 6AR-L40/835-DIM-UNV-L-W-OF-WH (0 DEG TILT)
 LAMP TYPE : BXRE-35E4000

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10		.00
WALL RCR	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00	
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	1.11	1.09	1.07	1.12	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.94	
2	1.09	1.04	1.00	.97	1.06	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88	
3	1.04	.98	.93	.89	1.02	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83	
4	.99	.91	.86	.82	.97	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78	
5	.94	.86	.80	.76	.92	.85	.80	.76	.83	.79	.75	.82	.78	.75	.80	.77	.74	.73	
6	.90	.81	.76	.72	.88	.81	.75	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69	
7	.86	.77	.72	.68	.85	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65	
8	.82	.73	.67	.63	.81	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61	
9	.78	.68	.63	.59	.76	.68	.62	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57	
10	.74	.64	.59	.55	.73	.64	.58	.55	.63	.58	.55	.62	.58	.55	.61	.57	.54	.53	

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

BALLABS CERTIFIED TEST REPORT NO.: 20425.0 DATE 05/03/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC WIDE TIR OPTIC & 6" WHITE ASYM FLUSH TRIM w/SOLITE
 LENS ADVANCE # XI050C140V054DSM5 @ 1060mA
 CATALOG NBR: 6AR-L40/835-DIM-UNV-L-W-OF-WH (0 DEG TILT)
 LAMP TYPE : BXRE-35E4000

ELECTRICAL CHARACTERISTICS 119.98V .3474A 41.5230W

LUMINOUS EFFICACY (LUMENS / WATTS) = 82.4

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

