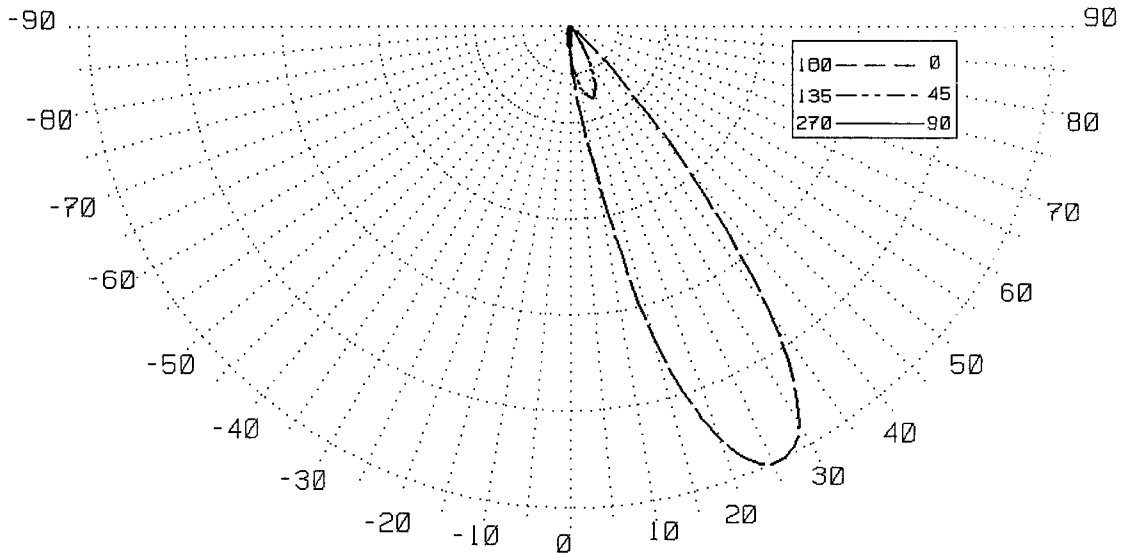


BALLABS CERTIFIED TEST REPORT NO.: 20396.0 DATE 05/16/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @ 25 TILT
ACRYLIC NARROW TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM
ADVANCE # XI025C070V054DSM5 @ 530mA
CATALOG NBR: 6AR-L20/835-DIM-UNV-O-N-OF-CS (25 DEG TILT)
LAMP TYPE : BXRE-35E2000

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	1372.	NA.	66.8	90-120	0.	NA.	.0
0- 40	1922.	NA.	93.5	90-130	0.	NA.	.0
0- 60	2055.	NA.	100.0	90-150	0.	NA.	.0
0- 90	2055.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	2055.	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.

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

BALLABS CERTIFIED TEST REPORT NO.: 20396.0 DATE 05/16/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @ 25 TILT
 ACRYLIC NARROW TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM
 ADVANCE # XI025C070V054DSM5 @ 530mA
 CATALOG NBR: 6AR-L20/835-DIM-UNV-O-N-OF-CS (25 DEG TILT)
 LAMP TYPE : BXRE-35E2000

CANDLEPOWER DISTRIBUTION
 0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER

HORIZONTAL										LUMENS		
VERT	.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	FRONT	BACK	TOTAL
0	544.	544.	544.	544.	544.	544.	544.	544.	544.			
5	1499.	1335.	1037.	701.	474.	339.	257.	226.	214.	48.6	13.5	62.1
10	3391.	2695.	1460.	709.	356.	216.	174.	158.	155.			
15	7740.	4961.	1732.	573.	220.	130.	112.	100.	102.	392.2	16.3	408.5
20	10551.	7108.	1780.	418.	139.	92.	78.	71.	75.			
25	11615.	7407.	1429.	266.	94.	66.	59.	54.	55.	887.8	13.8	901.7
30	11095.	5897.	925.	154.	67.	48.	43.	46.	48.			
35	8449.	3336.	498.	93.	49.	36.	38.	39.	43.	538.5	11.7	550.2
40	4417.	1470.	229.	59.	31.	24.	26.	28.	28.			
45	1454.	622.	92.	23.	16.	16.	3.	0.	0.	125.0	3.1	128.1
50	374.	133.	23.	9.	10.	0.	0.	0.	0.			
55	75.	22.	3.	0.	0.	0.	0.	0.	0.	4.9	.0	4.9
60	9.	2.	0.	0.	0.	0.	0.	0.	0.			
65	0.	0.	0.	0.	0.	0.	0.	0.	0.	.0	.0	.0
70	0.	0.	0.	0.	0.	0.	0.	0.	0.			
75	0.	0.	0.	0.	0.	0.	0.	0.	0.	.0	.0	.0
80	0.	0.	0.	0.	0.	0.	0.	0.	0.			
85	0.	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.: 20396.0 DATE 05/16/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @ 25 TILT
 ACRYLIC NARROW TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM
 ADVANCE # XI025C070V054DSM5 @ 530mA
 CATALOG NBR: 6AR-L20/835-DIM-UNV-O-N-OF-CS (25 DEG TILT)
 LAMP TYPE : BXRE-35E2000

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	1.11	1.08	1.06	1.11	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	.98	.98	.97	.96	.94
2	1.08	1.03	.99	.96	1.06	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3	1.03	.96	.91	.87	1.01	.95	.90	.87	.92	.88	.85	.90	.87	.84	.88	.85	.83	.81
4	.97	.89	.84	.80	.95	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5	.92	.83	.77	.73	.90	.82	.77	.73	.80	.76	.72	.79	.75	.71	.77	.74	.71	.69
6	.87	.78	.72	.67	.85	.77	.71	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7	.82	.73	.66	.62	.81	.72	.66	.62	.71	.65	.62	.69	.65	.61	.68	.64	.61	.59
8	.77	.67	.61	.57	.76	.67	.61	.56	.65	.60	.56	.64	.59	.56	.63	.59	.56	.54
9	.72	.62	.55	.51	.71	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.49
10	.67	.57	.50	.46	.66	.56	.50	.46	.55	.50	.46	.54	.49	.46	.54	.49	.46	.44

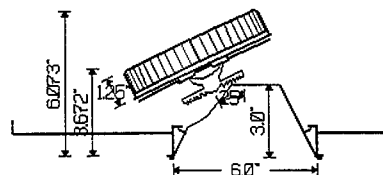
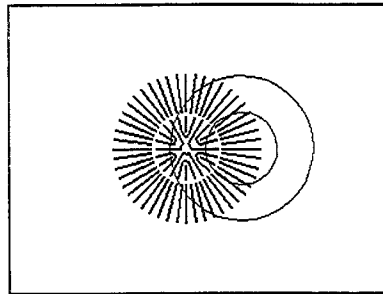
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

BALLABS CERTIFIED TEST REPORT NO.: 20396.0 DATE 05/16/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @ 25 TILT
ACRYLIC NARROW TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM
ADVANCE # XI025C070V054DSM5 @ 530mA
CATALOG NBR: 6AR-L20/835-DIM-UNV-O-N-OF-CS (25 DEG TILT)
LAMP TYPE : BXRE-35E2000

ELECTRICAL CHARACTERISTICS 119.98V .1789A 21.1780W

LUMINOUS EFFICACY (LUMENS / WATTS) = 97.0

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



0 Degree Plane →

