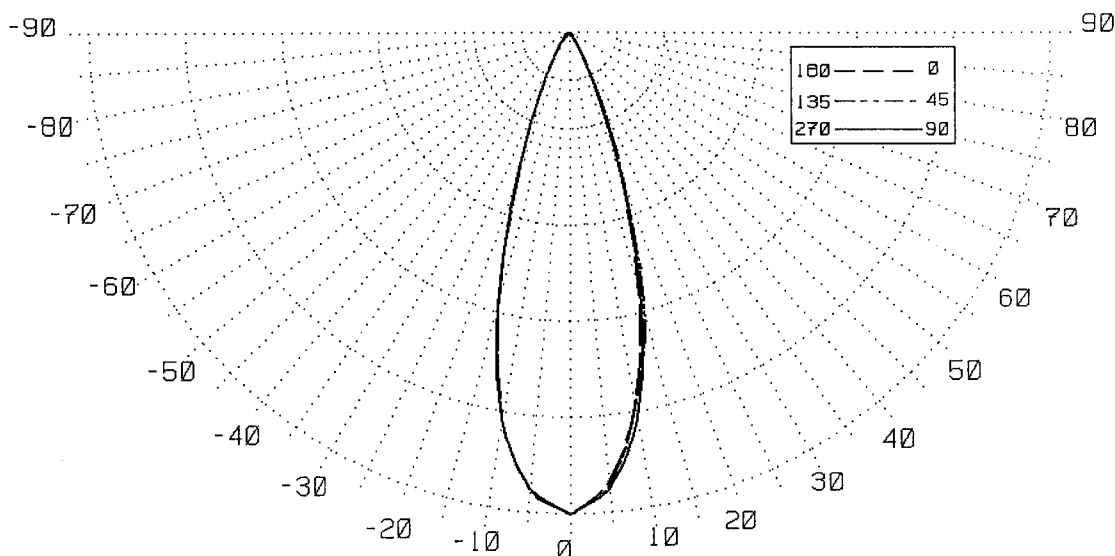


BALLABS CERTIFIED TEST REPORT NO.: 20484.0 DATE 05/10/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V18 LED 4" TALL HEATSINK 4" RND ADJ DOWNLIGHT @ 0 TILT
ACRYLIC MED TIR OPTIC & 4" ASYM FLUSH TRIM w/SOLITE LENS
ADVANCE # XI050C140V054DSM5 @ 1220mA
CATALOG NBR: 4AR-L40/835-DIM-UNV-L-M-OF-WH (0 DEGREE TILT)
LAMP TYPE : BXRE-35E4000

0 DEGREE PLANE CONTAINS MAXIMUM CANDLEPOWER



[Handwritten signature]

NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	3254.	NA.	89.6	90-120	0.	NA.	.0
0- 40	3445.	NA.	94.8	90-130	0.	NA.	.0
0- 60	3581.	NA.	98.6	90-150	0.	NA.	.0
0- 90	3633.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE =				0-180	3633.	NA.	100.0

BALLABS CERTIFIED TEST REPORT NO.: 20484.0 DATE 05/10/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 4" TALL HEATSINK 4" RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC MED TIR OPTIC & 4" ASYM FLUSH TRIM w/SOLITE LENS
 ADVANCE # XI050C140V054DSM5 @ 1220mA
 CATALOG NBR: 4AR-L40/835-DIM-UNV-L-M-OF-WH (0 DEGREE 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	9963.	9963.	9963.	9963.	9963.	9963.	9963.	9963.	9963.			
5	9360.	9373.	9447.	9521.	9467.	9522.	9510.	9560.	9511.	450.9	455.4	906.3
10	7862.	7972.	7902.	8164.	8123.	8111.	8130.	8230.	8119.			
15	5639.	5766.	6091.	5809.	5835.	5844.	5724.	5714.	5712.	820.2	819.0	1639.3
20	3222.	3371.	3404.	3357.	3257.	3229.	3128.	3085.	3060.			
25	1639.	1626.	1667.	1608.	1490.	1448.	1453.	1440.	1486.	374.1	334.3	708.4
30	734.	777.	703.	665.	619.	593.	591.	595.	689.			
35	349.	357.	333.	275.	269.	260.	294.	326.	346.	99.2	92.1	191.3
40	183.	181.	153.	143.	139.	146.	165.	178.	194.			
45	110.	108.	95.	92.	92.	101.	108.	120.	124.	38.7	42.6	81.4
50	77.	73.	69.	70.	72.	77.	80.	85.	89.			
55	61.	60.	59.	58.	58.	60.	62.	64.	66.	26.4	27.9	54.2
60	50.	47.	46.	47.	46.	45.	46.	49.	46.			
65	42.	41.	37.	36.	34.	33.	34.	36.	36.	19.1	17.1	36.2
70	31.	28.	27.	24.	23.	24.	23.	24.	24.			
75	20.	19.	18.	15.	15.	14.	12.	15.	15.	9.0	7.5	16.4
80	11.	11.	8.	7.	7.	7.	6.	7.	6.			
85	2.	0.	2.	0.	0.	0.	0.	0.	0.	.0	.0	.0
90	0.	0.	0.	0.	0.	0.	0.	0.	0.			

USE .333 FT. AS LENGTH AND .333 FT. AS WIDTH

BALLABS CERTIFIED TEST REPORT NO.: 20484.0 DATE 05/10/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 4" TALL HEATSINK 4" RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC MED TIR OPTIC & 4" ASYM FLUSH TRIM w/SOLITE LENS
 ADVANCE # XI050C140V054DSM5 @ 1220mA
 CATALOG NBR: 4AR-L40/835-DIM-UNV-L-M-OF-WH (0 DEGREE 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	.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	1.15	1.13	1.11	1.09	1.13	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	1.00	.99	.98	.97
2	1.10	1.06	1.03	1.00	1.08	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3	1.06	1.01	.97	.94	1.05	1.00	.96	.93	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4	1.02	.96	.92	.89	1.01	.95	.91	.88	.93	.90	.87	.91	.89	.86	.90	.87	.85	.84
5	.99	.92	.87	.84	.97	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6	.95	.89	.84	.81	.94	.88	.83	.80	.86	.83	.80	.85	.82	.79	.84	.81	.79	.78
7	.92	.85	.80	.77	.91	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
8	.89	.82	.77	.74	.88	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72
9	.86	.78	.74	.71	.85	.78	.73	.70	.77	.73	.70	.76	.73	.70	.75	.72	.70	.69
10	.83	.75	.70	.67	.82	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66

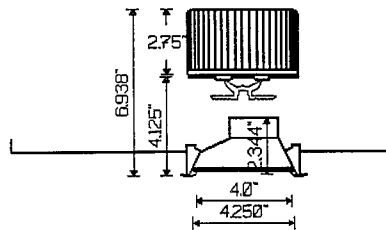
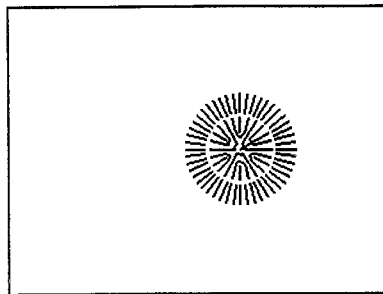
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

BALLABS CERTIFIED TEST REPORT NO.: 20484.0 DATE 05/10/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
 DESCRIPTION: GEN7 V18 LED 4" TALL HEATSINK 4" RND ADJ DOWNLIGHT @ 0 TILT
 ACRYLIC MED TIR OPTIC & 4" ASYM FLUSH TRIM w/SOLITE LENS
 ADVANCE # XI050C140V054DSM5 @ 1220mA
 CATALOG NBR: 4AR-L40/835-DIM-UNV-L-M-OF-WH (0 DEGREE TILT)
 LAMP TYPE : BXRE-35E4000

ELECTRICAL CHARACTERISTICS 120.00V .4067A 48.6480W

LUMINOUS EFFICACY (LUMENS / WATTS) = 74.7

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



0 Degree Plane →

