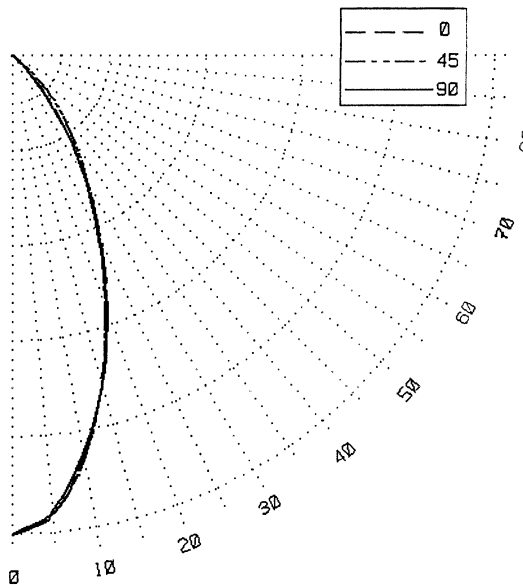
BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX

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.: 20364.0 DATE 05/02/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V18 LED 6"TALL HEATSINK 6"SQ CAST HOUSING DOWNLIGHT ACRYLIC NARROW TIR OPTIC & 6"SEMI-SPEC ALUMINUM TRIM w/FROST FILM ADVANCE # XI036C070V054DSM1 @ 810mA
CATALOG NBR: 6DS-L30/835-DIM-UNV-O-N-OF-CS
LAMP TYPE : BXRE-35E4000

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE 0	22.5	45	67.5	90	ZONAL LUMENS
0	3242.	3242.	3242.	3242.	3242.	
5	3134.	3121.	3123.	3106.	3104.	297.6
10	2776.	2784.	2792.	2785.	2746.	
15	2337.	2324.	2327.	2331.	2336.	660.4
20	1866.	1843.	1816.	1850.	1841.	
25	1410.	1388.	1398.	1398.	1380.	645.5
30	1016.	980.	1026.	985.	979.	
35	630.	673.	750.	663.	643.	427.4
40	355.	410.	532.	402.	326.	
45	122.	188.	327.	192.	127.	161.1
50	31.	46.	117.	48.	27.	
55	6.	9.	17.	9.	6.	9.3
60	1.	2.	3.	1.	0.	
65	0.	1.	0.	0.	0.	.3
70	0.	0.	0.	0.	0.	
75	0.	0.	0.	0.	0.	.0
80	0.	0.	0.	0.	0.	
85	0.	0.	0.	0.	0.	.0
90	0.	0.	0.	0.	0.	



NVLAP® TESTING
NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1603.	NA.	72.8	90-120	0.	NA.	.0
0- 40	2031.	NA.	92.3	90-130	0.	NA.	.0
0- 60	2201.	NA.	100.0	90-150	0.	NA.	.0
0- 90	2202.	NA.	100.0	90-180	0.	NA.	.0
		TOTAL LUMINAIRE =	0-180		2202.	NA.	100.0

IES SPACING CRITERIA: END= .7 DIAGONAL = .7 CROSS= .7

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LAMP TYPE : BXRE-35E4000

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LUMINANCES-CD/SQ-M
HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	7381.	19767.	7694.
55	463.	1234.	463.
65	0.	0.	0.
75	0.	0.	0.
85	0.	0.	0.

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	1.09	1.07	1.12	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.99	.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	1.04	.98	.94	.90	1.02	.97	.93	.89	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84
4	.99	.92	.87	.83	.98	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79
5	.94	.87	.81	.77	.93	.86	.81	.77	.84	.80	.76	.82	.79	.76	.81	.78	.75	.74
6	.90	.82	.77	.73	.89	.81	.76	.72	.80	.75	.72	.79	.75	.72	.77	.74	.71	.70
7	.86	.78	.72	.68	.85	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.70	.67	.66
8	.82	.73	.67	.63	.81	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9	.77	.68	.62	.59	.76	.68	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.57
10	.73	.64	.58	.55	.72	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ACRYLIC NARROW TIR OPTIC & 6"SEMI-SPEC ALUMINUM TRIM
w/FROST FILM ADVANCE # XI036C070V054DSM1 @ 810mA
CATALOG NBR: 6DS-L30/835-DIM-UNV-O-N-OF-CS
LAMP TYPE : BXRE-35E4000

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ELECTRICAL CHARACTERISTICS 120.05V .2636A 31.2630W

LUMINOUS EFFICACY (LUMENS / WATTS) = 70.4

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