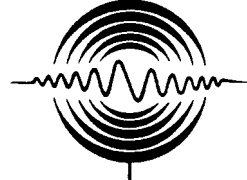


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

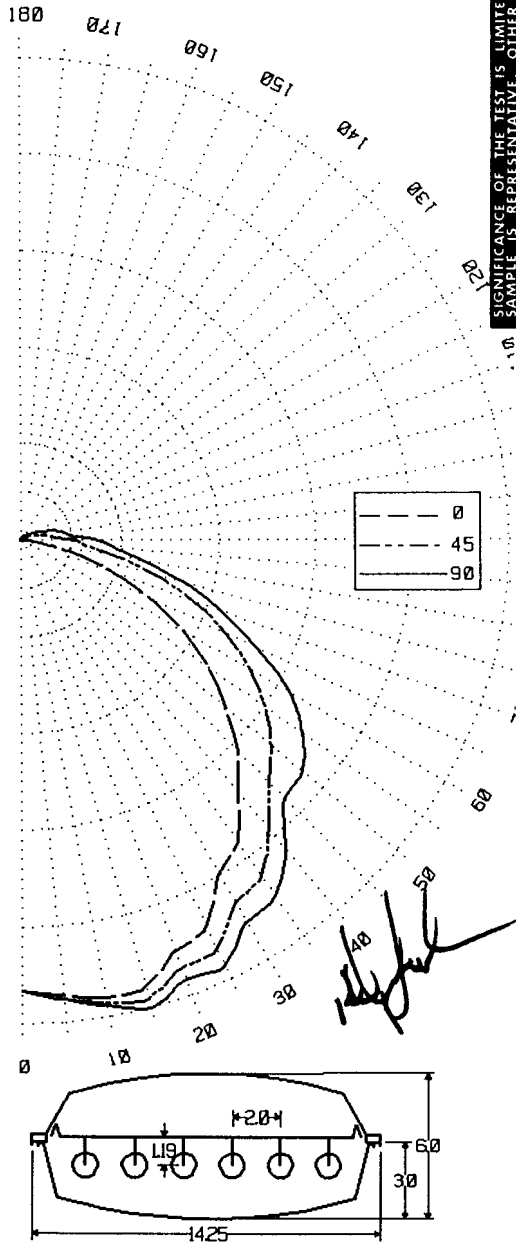
1618 HEADLAND DR.  
 FENTON, MO 63026  
 (636) - 343-6006  
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 14138.0 DATE 06/03/08  
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO  
 DESCRIPTION: 6/32W T8 LAMP 51.5x14.5x6" ENCLOSED & GASKETED LUMINAIRE  
 WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%  
 ADVANCE BALLST #ICN-4P32-SC & ICN-2P32-SC WATTS=143  
 CATALOG NBR: CT4-6LT8  
 LAMP TYPE : F32WT9/835/RS RATED LUMENS 2950. NBR. LAMPS:- 6

### CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	3748.	3748.	3748.	3748.	3748.	
5	3799.	3809.	3824.	3830.	3832.	364.6
10	3856.	3872.	3904.	3920.	3928.	
15	3852.	3892.	3948.	4003.	4027.	1118.5
20	3637.	3684.	3780.	3860.	3884.	
25	3553.	3632.	3760.	3880.	3912.	1736.3
30	3209.	3321.	3489.	3624.	3672.	
35	3081.	3217.	3425.	3584.	3624.	2132.5
40	2746.	2906.	3145.	3321.	3369.	
45	2496.	2695.	2863.	2959.	3047.	2185.6
50	2163.	2395.	2666.	2922.	3010.	
55	1860.	2131.	2435.	2730.	2818.	2161.0
60	1525.	1788.	2155.	2467.	2547.	
65	1149.	1429.	1836.	2075.	2115.	1730.1
70	806.	1093.	1493.	1668.	1732.	
75	503.	806.	1125.	1317.	1373.	1107.1
80	223.	487.	790.	974.	1014.	
85	87.	287.	534.	710.	758.	532.8
90	39.	199.	431.	590.	630.	
95	15.	127.	279.	383.	423.	274.9
100	0.	95.	215.	319.	359.	
105	0.	79.	175.	279.	303.	181.0
110	0.	55.	135.	207.	239.	
115	0.	47.	103.	159.	175.	98.4
120	0.	31.	79.	127.	143.	
125	0.	0.	71.	103.	111.	51.5
130	0.	0.	55.	79.	79.	
135	0.	0.	39.	61.	67.	25.8
140	0.	0.	0.	55.	63.	
145	0.	0.	0.	47.	47.	11.1
150	0.	0.	0.	39.	47.	
155	0.	0.	0.	39.	39.	6.8
160	0.	0.	0.	0.	23.	
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	
175	0.	0.	0.	0.	0.	.0
180	0.	31.	0.	0.	0.	



### LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	3219.	18.2	23.5	90-120	554.	3.1	4.0
0- 40	5352.	30.2	39.0	90-130	606.	3.4	4.4
0- 60	9698.	54.8	70.7	90-150	643.	3.6	4.7
0- 90	13068.	73.8	95.3	90-180	650.	3.7	4.7
TOTAL LUMINAIRE = 0-180					13718.	77.5	100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.4 CROSS= 1.5

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

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 \*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	7925.	7437.	7915.
55	7280.	7235.	8373.
65	6104.	6605.	7609.
75	4363.	5334.	6510.
85	2241.	3886.	5516.

\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

\*\*\*\*\*

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	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10
RCR																																						
0	.91	.91	.91	.91	.89	.89	.89	.89	.84	.84	.84	.80	.80	.80	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76
1	.83	.79	.76	.73	.81	.77	.74	.71	.73	.71	.68	.70	.68	.66	.66	.66	.65	.63	.61	.61	.63	.61	.59	.57	.55	.53	.53	.51	.49	.47	.45	.43	.43	.41	.39	.37	.35	.33
2	.76	.69	.64	.59	.73	.67	.62	.58	.64	.60	.56	.61	.57	.54	.58	.55	.53	.51	.49	.47	.49	.47	.45	.43	.41	.39	.39	.37	.35	.33	.31	.29	.29	.27	.25	.23	.21	.19
3	.69	.61	.55	.49	.67	.59	.53	.49	.57	.52	.47	.54	.50	.46	.52	.48	.45	.43	.41	.39	.43	.41	.39	.37	.35	.33	.33	.31	.29	.27	.25	.23	.23	.21	.19	.17	.15	.13
4	.63	.54	.47	.42	.61	.53	.46	.41	.50	.45	.40	.48	.43	.39	.46	.42	.38	.35	.33	.31	.35	.33	.31	.29	.27	.25	.25	.23	.21	.19	.17	.15	.15	.13	.11	.09	.07	.05
5	.57	.47	.40	.35	.56	.46	.40	.35	.44	.38	.34	.42	.37	.33	.40	.36	.33	.31	.29	.27	.31	.29	.27	.25	.23	.21	.21	.19	.17	.15	.13	.11	.11	.09	.07	.05	.03	.01
6	.53	.42	.35	.30	.51	.41	.35	.30	.40	.34	.29	.38	.33	.29	.36	.32	.28	.26	.24	.22	.27	.25	.23	.21	.19	.17	.17	.15	.13	.11	.09	.07	.07	.05	.03	.01	.01	.01
7	.49	.38	.31	.26	.47	.37	.30	.26	.35	.30	.25	.34	.29	.25	.33	.28	.25	.23	.21	.19	.25	.23	.21	.19	.17	.15	.15	.13	.11	.09	.07	.05	.05	.03	.01	.01	.01	.01
8	.45	.34	.27	.23	.43	.33	.27	.22	.32	.26	.22	.31	.25	.22	.29	.25	.21	.19	.17	.15	.23	.21	.19	.17	.15	.13	.13	.11	.09	.07	.05	.03	.03	.01	.01	.01	.01	.01
9	.41	.30	.24	.19	.40	.30	.23	.19	.29	.23	.19	.27	.22	.19	.26	.22	.18	.17	.15	.13	.21	.19	.17	.15	.13	.11	.11	.09	.07	.05	.03	.01	.01	.01	.01	.01	.01	.01
10	.38	.28	.21	.17	.37	.27	.21	.17	.26	.20	.17	.25	.20	.16	.24	.19	.16	.15	.13	.11	.19	.17	.15	.13	.11	.09	.09	.07	.05	.03	.01	.01	.01	.01	.01	.01	.01	.01

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES