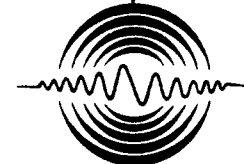


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

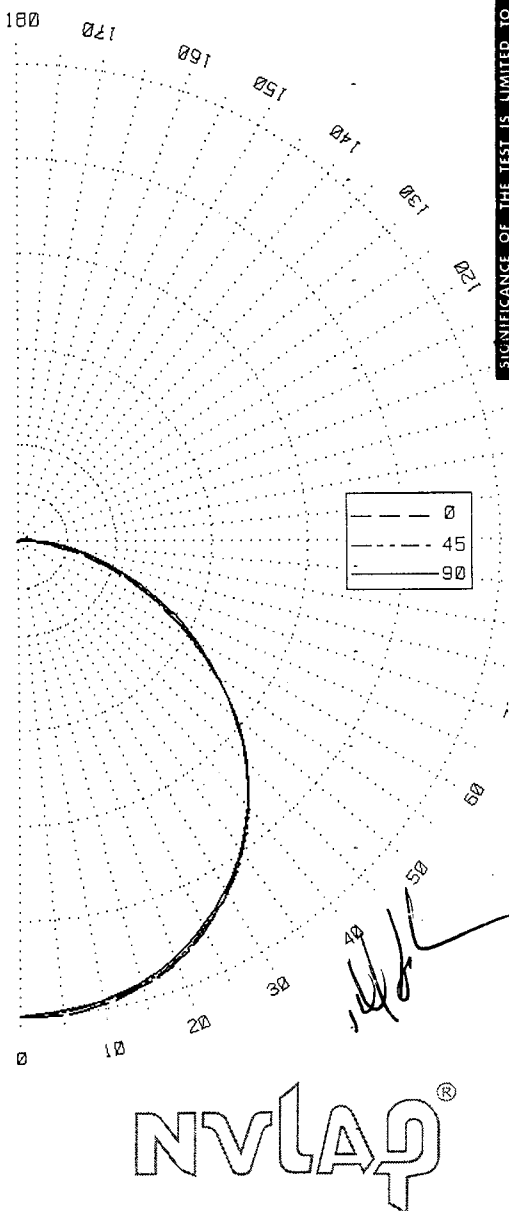
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 19035.0 DATE 08/17/15
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 4-44LED 22"ARRAYS 2'ENCLOSED & GASKETED LUMINAIRE
WHITE FLAT REFLECTOR w/FROSTED ACRYLIC DROP LENS
ADVANCE #XI075C200V054XPT1 26.7K RESISTOR
CATALOG NBR: CT4s-LED-SMM-4-CC-FORTIMO-L-840-U
LAMP TYPE : FORTIMO 9290008808

CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	2672.	2672.	2672.	2672.	2672.	
5	2674.	2666.	2657.	2646.	2649.	253.7
10	2645.	2637.	2627.	2615.	2620.	
15	2595.	2589.	2582.	2571.	2570.	731.7
20	2522.	2517.	2512.	2501.	2497.	
25	2422.	2422.	2411.	2413.	2391.	1116.9
30	2292.	2297.	2293.	2297.	2273.	
35	2138.	2137.	2147.	2142.	2134.	1344.5
40	1964.	1967.	1971.	1969.	1965.	
45	1776.	1778.	1775.	1780.	1773.	1376.0
50	1567.	1563.	1566.	1563.	1562.	
55	1330.	1324.	1341.	1343.	1340.	1198.6
60	1097.	1085.	1110.	1137.	1130.	
65	875.	865.	893.	932.	926.	891.0
70	660.	666.	684.	720.	714.	
75	462.	485.	495.	532.	518.	529.3
80	288.	314.	338.	372.	365.	
85	155.	175.	217.	228.	232.	221.8
90	84.	94.	126.	126.	132.	
95	68.	60.	70.	76.	75.	75.6
100	66.	50.	44.	48.	46.	
105	63.	45.	32.	33.	31.	41.4
110	52.	36.	26.	22.	24.	
115	41.	31.	21.	18.	19.	25.0
120	31.	26.	17.	15.	17.	
125	21.	18.	12.	12.	13.	13.5
130	14.	13.	8.	9.	10.	
135	9.	0.	0.	0.	0.	.9
140	0.	0.	0.	0.	0.	
145	0.	0.	0.	0.	0.	.0
150	0.	0.	0.	0.	0.	
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	



LUMEN SUMMARY

NVLAP LAB CODE 200921-0

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2102.	NA.	26.9	90-120	142.	NA.	1.8
0- 40	3447.	NA.	44.1	90-130	155.	NA.	2.0
0- 60	6021.	NA.	77.0	90-150	156.	NA.	2.0
0- 90	7663.	NA.	98.0	90-180	156.	NA.	2.0

TOTAL LUMINAIRE = 0-180 7820. NA. 100.0

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

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.

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 LAMP TYPE : FORTIMO 9290008808

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	12128.	9849.	9837.
55	11199.	8494.	8488.
65	10000.	6822.	7080.
75	8622.	4961.	5196.
85	8610.	3301.	3535.

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	.00			
RCR																					
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98			
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83			
2	1.00	.92	.85	.80	.97	.90	.84	.78	.86	.81	.76	.82	.78	.74	.79	.76	.72	.70			
3	.91	.81	.73	.67	.89	.80	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60			
4	.84	.72	.64	.57	.81	.71	.63	.57	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52			
5	.76	.64	.55	.49	.74	.63	.54	.48	.60	.53	.48	.58	.52	.47	.56	.51	.46	.44			
6	.70	.57	.48	.42	.68	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38			
7	.65	.51	.43	.37	.63	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33			
8	.60	.46	.38	.32	.58	.45	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29			
9	.55	.41	.33	.27	.53	.41	.33	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25			
10	.51	.38	.30	.24	.50	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.23	.22			

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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CATALOG NBR: CT4s-LED-SMM-4-CC-FORTIMO-L-840-U
LAMP TYPE : FORTIMO 9290008808

ELECTRICAL CHARACTERISTICS 120.0V .6162A 73.531W

LUMINOUS EFFICACY (LUMENS / WATTS) = 106.3

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

