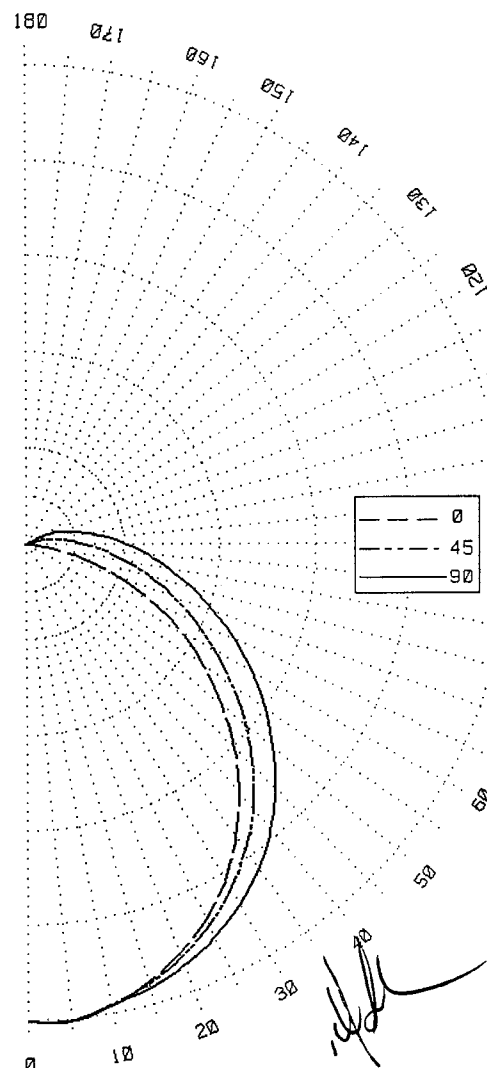


BALLABS CERTIFIED TEST REPORT NO.: 20090.0 DATE 10/24/17
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 1-44 LED 22"ARRAY 2'EXTRUDED SURFACE MNT LUMINAIRE
WHITE FLAT REFL IN ACRYLIC HOUSING w/WHITE DIFFUSER
PHILIPS XITANIUM DRIVER #XI040C110V054YPT2 w/3.3K RESISTOR
CATALOG NBR: PRF-S1-2-LZH-50-U
LAMP TYPE : FORTIMO LED LINE 2FT 4000LM 850 1R LV2

CANDLEPOWER DISTRIBUTION

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	1106.	1106.	1106.	1106.	1106.	
5	1106.	1099.	1098.	1099.	1097.	104.9
10	1087.	1081.	1084.	1087.	1086.	
15	1054.	1051.	1058.	1066.	1068.	300.1
20	1014.	1013.	1024.	1038.	1043.	
25	963.	961.	981.	1002.	1010.	454.8
30	904.	906.	929.	958.	971.	
35	831.	843.	869.	905.	924.	548.9
40	756.	769.	805.	848.	867.	
45	671.	684.	730.	780.	802.	567.4
50	582.	602.	654.	711.	735.	
55	497.	522.	575.	635.	666.	519.0
60	410.	436.	497.	564.	596.	
65	321.	354.	429.	494.	526.	421.9
70	230.	275.	360.	429.	457.	
75	147.	201.	295.	366.	392.	299.3
80	70.	137.	234.	307.	331.	
85	16.	89.	183.	253.	279.	183.4
90	0.	54.	137.	204.	230.	
95	0.	29.	99.	165.	187.	105.4
100	0.	13.	72.	128.	149.	
105	0.	1.	48.	96.	115.	53.8
110	0.	0.	26.	70.	89.	
115	0.	0.	6.	44.	65.	20.5
120	0.	0.	0.	17.	34.	
125	0.	0.	0.	2.	8.	1.4
130	0.	0.	0.	0.	1.	
135	0.	0.	0.	0.	0.	.0
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.	



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	860.	NA.	24.0	90-120	180.	NA.	5.0
0- 40	1409.	NA.	39.3	90-130	181.	NA.	5.1
0- 60	2495.	NA.	69.7	90-150	181.	NA.	5.1
0- 90	3400.	NA.	94.9	90-180	181.	NA.	5.1
TOTAL LUMINAIRE = 0-180					3581.	NA.	100.0

IES SPACING CRITERIA: END= 1.2 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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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	25127.	18832.	20697.
55	22920.	16152.	18717.
65	20110.	13656.	16758.
75	14982.	11259.	14974.
85	4876.	9027.	13789.

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.08	1.08	1.08	1.03	1.03	1.03	.97	.97	.97	.95					
1	1.07	1.02	.97	.93	1.04	.99	.95	.91	.94	.90	.87	.89	.86	.84	.85	.82	.80	.78					
2	.97	.89	.82	.76	.94	.86	.80	.74	.82	.76	.72	.78	.73	.69	.74	.70	.67	.65					
3	.89	.78	.70	.63	.86	.76	.69	.62	.72	.66	.61	.69	.64	.59	.66	.61	.57	.55					
4	.81	.69	.60	.54	.79	.68	.59	.53	.64	.57	.52	.61	.55	.50	.59	.54	.49	.47					
5	.74	.61	.52	.45	.72	.60	.51	.45	.57	.50	.44	.54	.48	.43	.52	.46	.42	.40					
6	.68	.55	.46	.39	.66	.53	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.36	.34					
7	.63	.49	.40	.34	.61	.48	.40	.34	.46	.38	.33	.44	.37	.32	.42	.36	.32	.30					
8	.58	.44	.35	.29	.56	.43	.35	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26					
9	.53	.40	.31	.25	.52	.39	.31	.25	.37	.30	.25	.36	.29	.24	.34	.28	.24	.22					
10	.50	.36	.28	.22	.48	.35	.27	.22	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19					

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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LAMP TYPE : FORTIMO LED LINE 2FT 400LM 850 1R LV2

ELECTRICAL CHARACTERISTICS 120.05V .3017A 36.116W

LUMINOUS EFFICACY (LUMENS / WATTS) = 99.1

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

