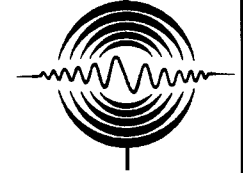


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

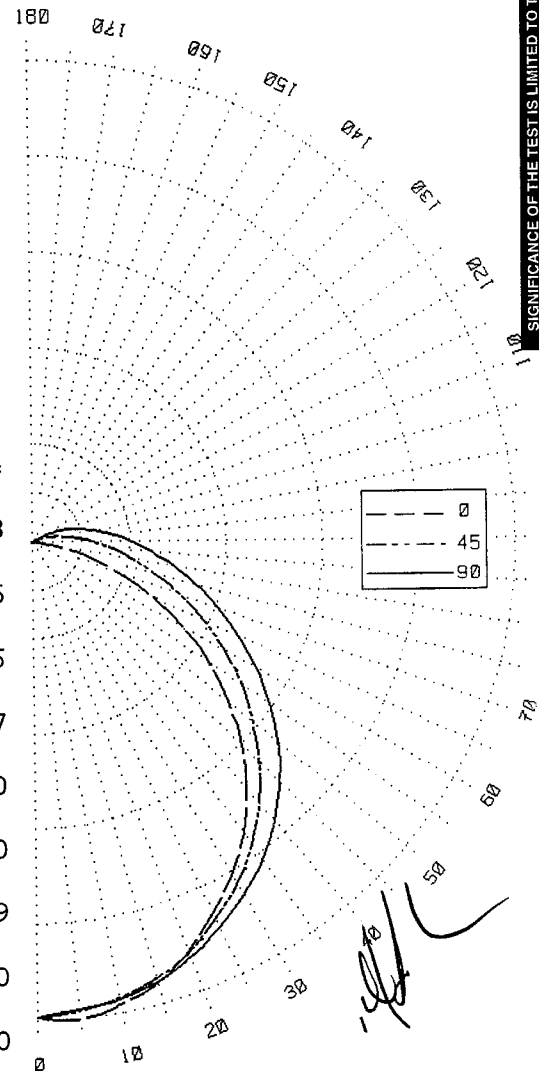
1618 HEADLAND DR.
FENTON, MO 63026
(636) 343-6006
(636) 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 20159.0 DATE 01/08/18
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 1-72 LED 44.5"ARRAY 4'EXTRUDED SURFACE MNT LUMINAIRE
WHITE FLAT REFL IN ACRYLIC HOUSING w/WHITE DIFFUSER
FORTIMO LLS EASESELECT 36W INT LV1
CATALOG NBR: PRF-S1-4-PES-40-U
LAMP TYPE : FORTIMO LLS ES 4FT 4400LM 840 1R LV1

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

CANDLEPOWER DISTRIBUTION						
VERT	HORIZONTAL ANGLE					ZONAL
ANG	0	22.5	45	67.5	90	LUMENS
0	1149.	1149.	1149.	1149.	1149.	
5	1157.	1136.	1137.	1132.	1133.	108.6
10	1136.	1119.	1120.	1120.	1123.	
15	1106.	1088.	1094.	1100.	1101.	310.9
20	1058.	1044.	1060.	1069.	1072.	
25	998.	997.	1013.	1030.	1035.	469.3
30	936.	942.	963.	985.	993.	
35	867.	871.	902.	929.	946.	566.7
40	787.	798.	834.	865.	888.	
45	702.	708.	759.	800.	829.	587.2
50	607.	620.	682.	731.	761.	
55	515.	538.	609.	661.	689.	540.4
60	416.	447.	528.	587.	615.	
65	318.	357.	452.	515.	540.	434.8
70	222.	273.	375.	438.	470.	
75	135.	198.	305.	374.	405.	303.5
80	62.	134.	243.	316.	343.	
85	16.	84.	194.	263.	286.	188.6
90	0.	50.	145.	213.	237.	
95	0.	30.	107.	172.	194.	110.7
100	0.	16.	77.	133.	153.	
105	0.	4.	54.	96.	117.	56.0
110	0.	0.	29.	71.	86.	
115	0.	0.	12.	46.	61.	22.0
120	0.	0.	0.	21.	33.	
125	0.	0.	0.	4.	10.	1.9
130	0.	0.	0.	0.	0.	
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	889.	NA.	24.0	90-120	189.	NA.	5.1
0- 40	1455.	NA.	39.3	90-130	191.	NA.	5.2
0- 60	2583.	NA.	69.8	90-150	191.	NA.	5.2
0- 90	3510.	NA.	94.8	90-180	191.	NA.	5.2

TOTAL LUMINAIRE = 0-180

3701. NA. 100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.2 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.

BALLABS CERTIFIED TEST REPORT NO.: 20159.0 DATE 01/08/18
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
 DESCRIPTION: 1-72 LED 44.5"ARRAY 4'EXTRUDED SURFACE MNT LUMINAIRE
 WHITE FLAT REFL IN ACRYLIC HOUSING w/WHITE DIFFUSER
 FORTIMO LLS EASESELECT 36W INT LV1

CATALOG NBR: PRF-S1-4-PES-40-U

LAMP TYPE : FORTIMO LLS ES 4FT 4400LM 840 1R LV1

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	13429.	10016.	10931.
55	12137.	8734.	9887.
65	10164.	7352.	8799.
75	7058.	5957.	7903.
85	2455.	4887.	7223.

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	1.14	1.14	1.14	1.14	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	.77	.72	.78	.73	.69	.74	.70	.67	.65	
3	.89	.78	.70	.63	.86	.76	.69	.62	.73	.66	.61	.69	.64	.59	.66	.61	.57	.55	
4	.81	.69	.60	.54	.79	.68	.59	.53	.64	.57	.52	.62	.55	.51	.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	.37	.34	
7	.63	.49	.40	.34	.61	.48	.40	.34	.46	.39	.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

BALLABS CERTIFIED TEST REPORT NO.: 20159.0 DATE 01/08/18
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 1-72 LED 44.5"ARRAY 4'EXTRUDED SURFACE MNT LUMINAIRE
WHITE FLAT REFL IN ACRYLIC HOUSING w/WHITE DIFFUSER
FORTIMO LLS EASESELECT 36W INT LV1
CATALOG NBR: PRF-S1-4-PES-40-U
LAMP TYPE : FORTIMO LLS ES 4FT 4400LM 840 1R LV1

ELECTRICAL CHARACTERISTICS 119.96V .2922A 34.3250W

LUMINOUS EFFICACY (LUMENS / WATTS) = 107.8

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

