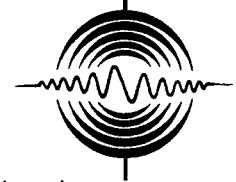


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

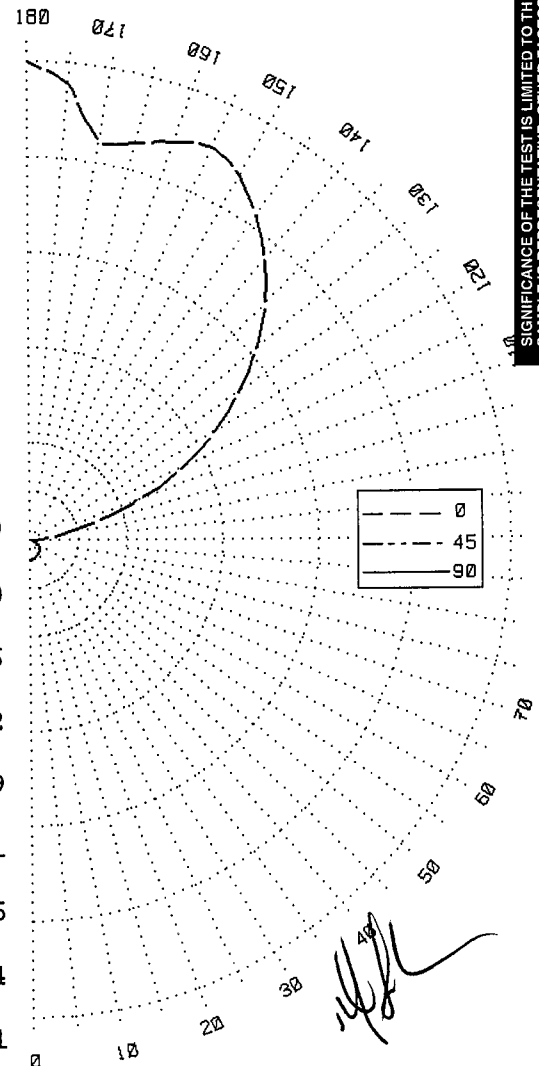
1618 HEADLAND DR.
FENTON, MO 63026
(636) 343-6006
(636) 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 19615.0 DATE 12/13/16
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
DESCRIPTION: 8-24LED 6"ARRAYS 26"DIA MOD PEND LUMINAIRE w/WHITE REFL, 1/8
CLR ACRYLIC TOP LENS/WHITE CTR RND REFL & FROST ACRYLIC BTM
LENS w/.125"WHITE ACRYLIC BTM DOME 2ROAL STRATO#RSLD035-06
CATALOG NBR: P1826-40HI-PTD
LAMP TYPE : LM-700-06-40K

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	91.	8.6
5	90.	24.4
10	89.	37.8
15	86.	45.3
20	85.	47.3
25	82.	42.2
30	78.	35.9
35	72.	26.0
40	69.	19.6
45	61.	58.2
50	56.	323.9
55	47.	807.1
60	41.	1094.5
65	36.	1230.4
70	29.	1182.1
75	25.	954.0
80	19.	555.2
85	18.	208.9
90	16.	
95	53.	
100	138.	
105	306.	
110	552.	
115	813.	
120	1024.	
125	1220.	
130	1415.	
135	1589.	
140	1742.	
145	1882.	
150	2000.	
155	2061.	
160	2015.	
165	1959.	
170	1930.	
175	2188.	
180	2280.	



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	71.	NA.	1.1	90-120	1189.	NA.	17.7
0- 40	116.	NA.	1.7	90-130	2284.	NA.	34.1
0- 60	206.	NA.	3.1	90-150	4696.	NA.	70.1
0- 90	287.	NA.	4.3	90-180	6414.	NA.	95.7
TOTAL LUMINAIRE =				0-180	6701.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT	0
ANGLE	
45	200.
55	174.
65	158.
75	137.
85	144.

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	.00
RCR																					
0	.96	.96	.96	.96	.83	.83	.83	.83	.58	.58	.58	.35	.35	.35	.14	.14	.14	.14	.14	.14	.04
1	.87	.83	.80	.76	.75	.72	.69	.66	.50	.48	.47	.30	.30	.29	.12	.12	.12	.12	.12	.12	.03
2	.79	.72	.67	.62	.68	.63	.58	.54	.44	.41	.38	.27	.25	.24	.11	.10	.10	.10	.10	.10	.03
3	.72	.64	.57	.51	.62	.55	.49	.45	.39	.35	.32	.23	.22	.20	.09	.09	.09	.09	.09	.09	.02
4	.66	.56	.49	.43	.57	.48	.42	.38	.34	.30	.27	.21	.19	.17	.08	.08	.08	.08	.08	.08	.02
5	.60	.50	.42	.37	.52	.43	.37	.32	.30	.26	.23	.19	.16	.15	.08	.07	.07	.07	.07	.07	.02
6	.56	.44	.37	.32	.48	.39	.32	.28	.27	.23	.20	.17	.14	.13	.07	.06	.06	.06	.06	.06	.02
7	.51	.40	.33	.28	.44	.35	.29	.24	.25	.21	.18	.15	.13	.11	.06	.05	.05	.05	.05	.05	.01
8	.48	.36	.29	.24	.41	.31	.26	.21	.22	.18	.16	.14	.11	.10	.06	.05	.05	.05	.05	.05	.01
9	.44	.33	.26	.22	.38	.29	.23	.19	.20	.17	.14	.12	.10	.09	.05	.04	.04	.04	.04	.04	.01
10	.41	.30	.24	.19	.35	.26	.21	.17	.19	.15	.12	.11	.09	.08	.05	.04	.04	.04	.04	.04	.01

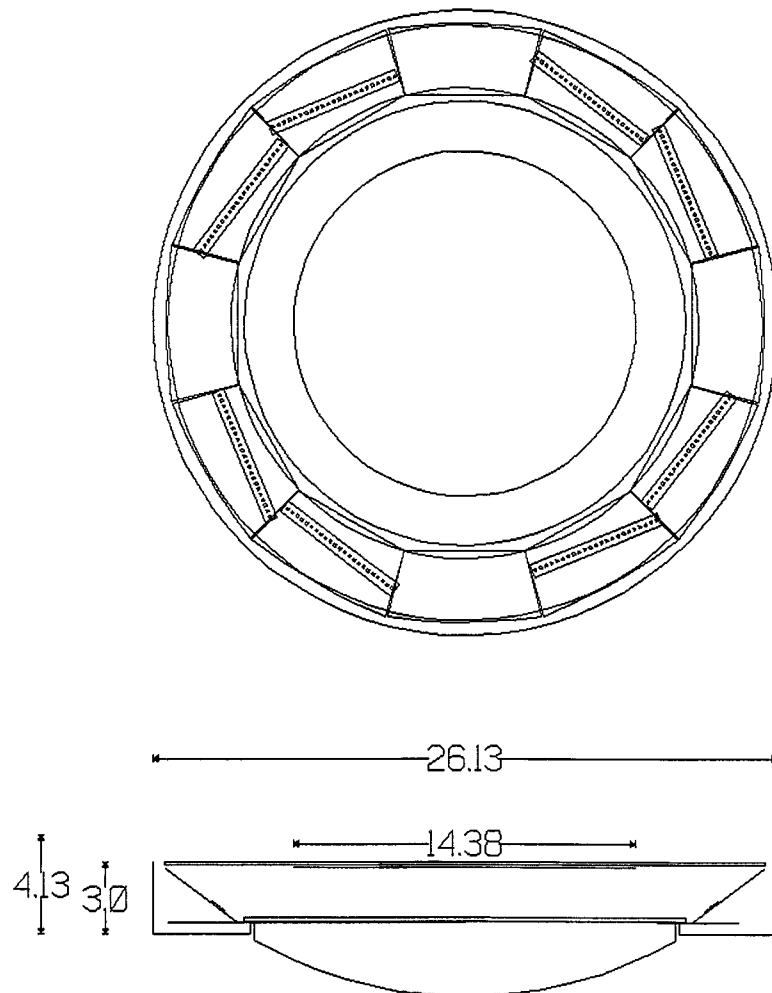
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

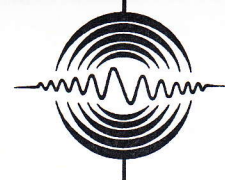
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LAMP TYPE : LM-700-06-40K

ELECTRICAL CHARACTERISTICS 120.0V .4925A 56.154W

LUMINOUS EFFICACY (LUMENS / WATTS) = 119.3

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

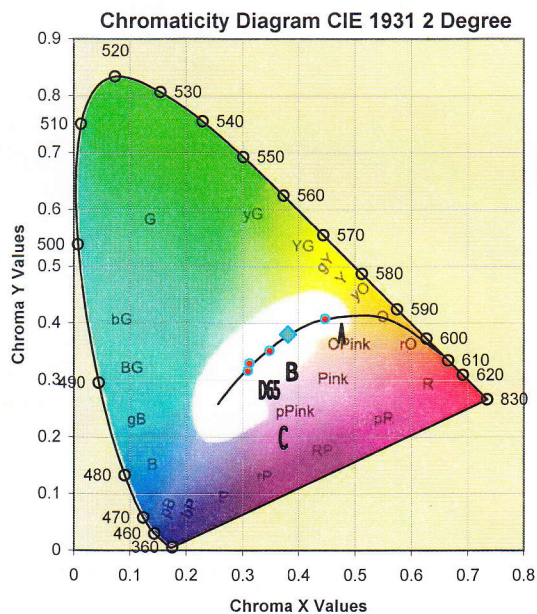




BALLABS CERTIFIED TEST REPORT NO.: 19615.0 A DATE 12/13/16
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LAMP TYPE : LM-700-06-40K

INPUT VOLTAGE (V)	120.02
INPUT CURRENT (A)	0.4925
INPUT WATTS (W)	56.154
POWER FACTOR	0.9500
THD _v (%)	0.133
THD _i (%)	23.424
LUMINOUS EFFICACY-LPW	119.3
LUMINOUS FLUX- LUMENS	6701
CHROMA x	0.3811
CHROMA y	0.3805
CHROMA u	0.2241
CHROMA v	0.3355
DELTA uv (Duv)	0.0015
CORR COLOR TEMP (K)	4009
COLOR REND INDEX (RA)	82.77
COLOR REND INDEX (R9)	5.5

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.6796	610	109.1978
360	0.7454	620	99.4501
370	0.7786	630	86.4034
380	0.8054	640	72.1612
390	0.8522	650	58.1662
400	1.1388	660	45.6460
410	2.3474	670	34.8809
420	7.2610	680	26.4112
430	21.1976	690	19.7395
440	53.2094	700	14.6202
450	114.1174	710	10.7470
460	77.4180	720	7.9683
470	49.7952	730	5.8676
480	38.0719	740	4.2925
490	45.2441	750	3.2040
500	58.3188	760	2.3820
510	68.6095	770	1.7557
520	75.3647	780	1.3341
530	80.8626	790	0.9863
540	86.9068	800	0.7548
550	93.5270	810	0.6018
560	100.3334	820	0.4496
570	106.9420	830	0.3670
580	112.6619	840	0.2817
590	115.7319	850	0.2239
600	115.1641		



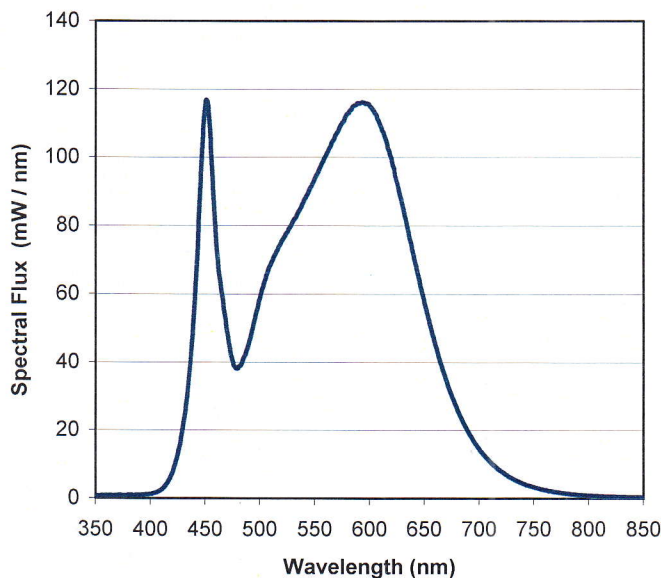
Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

[Signature]

Kelly C. Lerbs
Vice President



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