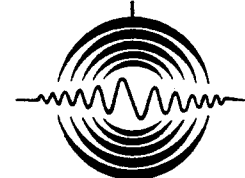


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

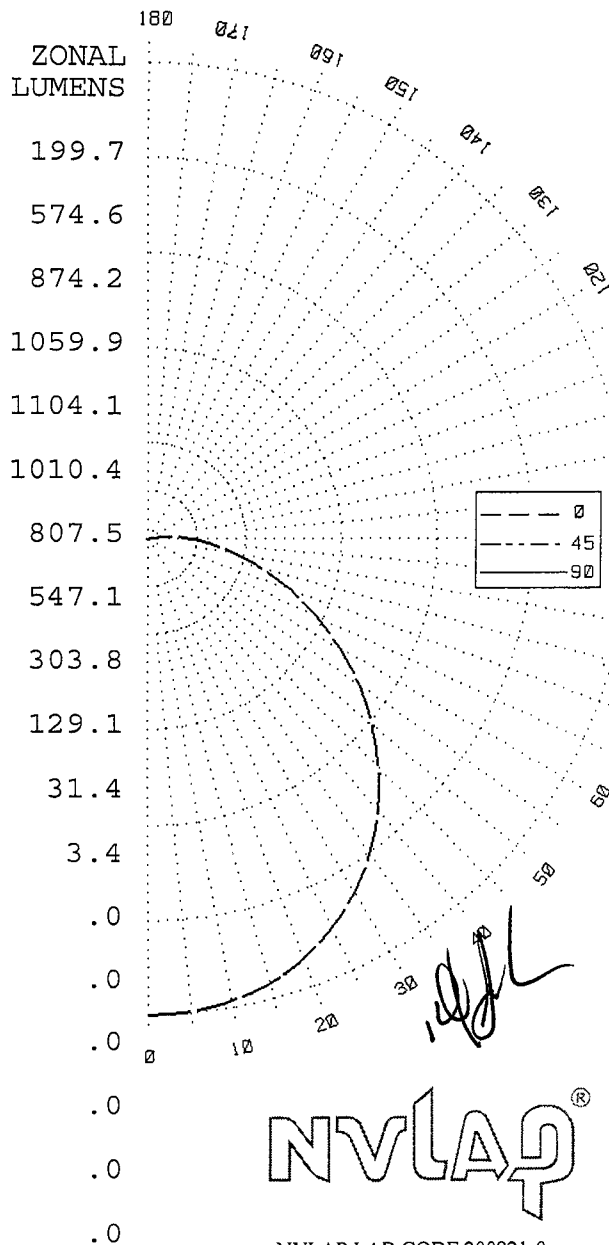
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) - 343-6006  
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 18682.0 DATE 02/18/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 4-48LED, 8-24LED ARRAYS 26"DIA PENDANT LUMINAIRE  
WHITE REFL w/MATTE WHITE ACRYLIC DROP LENS  
2 ROAL STRATO #RSLD035-11A  
CATALOG NBR: P5526.LED-40HI-XX  
LAMP TYPE : M700C840D48N12S0C, M700C840D24N06STC

## CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	2100.
5	2092.
10	2065.
15	2027.
20	1967.
25	1889.
30	1795.
35	1687.
40	1563.
45	1426.
50	1280.
55	1126.
60	967.
65	813.
70	662.
75	517.
80	388.
85	278.
90	187.
95	118.
100	63.
105	30.
110	11.
115	3.
120	0.
125	0.
130	0.
135	0.
140	0.
145	0.
150	0.
155	0.
160	0.
165	0.
170	0.
175	0.
180	0.



**NVLAP**<sup>®</sup>

NVLAP LAB CODE 200921-0

## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1648.	NA.	24.8	90-120	164.	NA.	2.5
0- 40	2708.	NA.	40.8	90-130	164.	NA.	2.5
0- 60	4823.	NA.	72.6	90-150	164.	NA.	2.5
0- 90	6481.	NA.	97.5	90-180	164.	NA.	2.5
TOTAL LUMINAIRE =				0-180	6645.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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\*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE  
 0

VERT  
 ANGLE

45	5197.
55	4766.
65	4258.
75	3694.
85	3288.

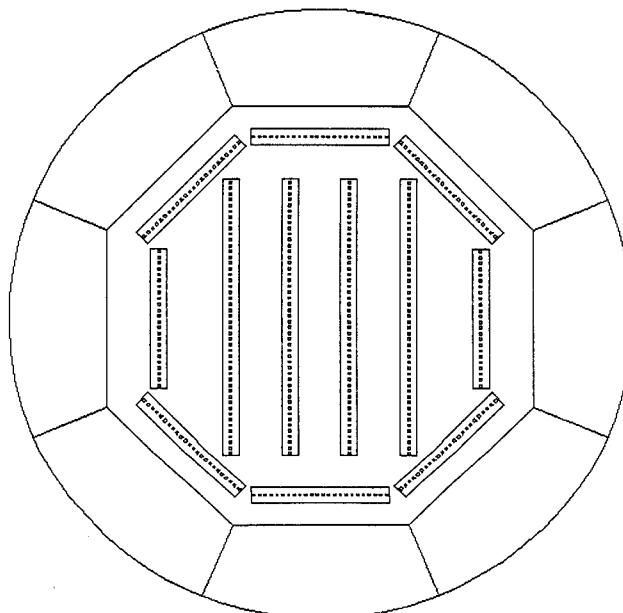
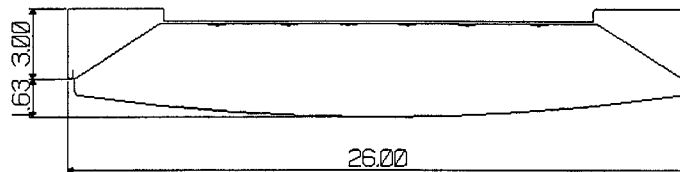
\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

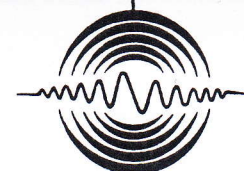
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ELECTRICAL CHARACTERISTICS 120.0V .7104A 83.525W

LUMINOUS EFFICACY (LUMENS / WATTS) = 79.6

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



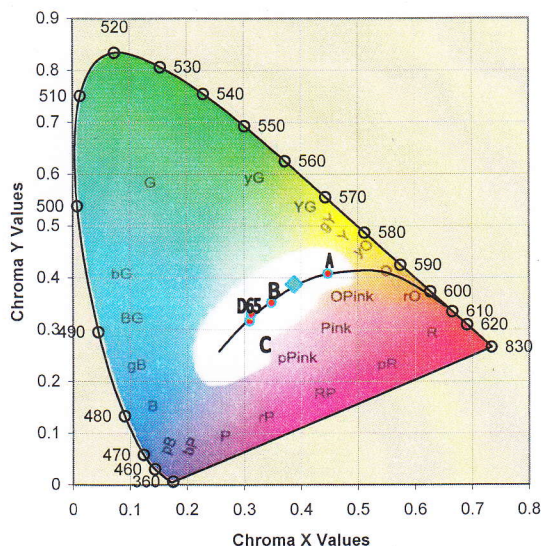


BALLABS CERTIFIED TEST REPORT NO.: 18682.0 A DATE 02/18/15  
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INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.7104
INPUT WATTS (W)	83.525
POWER FACTOR	0.9799
THDv (%)	0.1564%
THDi (%)	14.4530%
LUMINOUS EFFICACY-LPW	79.6
LUMINOUS FLUX- LUMENS	6645
CHROMA x	0.3885
CHROMA y	0.3867
CHROMA u	0.2264
CHROMA v	0.3381
DELTA uv (Duv)	0.0021
CORR COLOR TEMP (K)	3860
COLOR REND INDEX (RA)	83.50
COLOR REND INDEX (R9)	21.7

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.4542	610	106.8909
360	0.6868	620	100.4534
370	0.5098	630	92.1186
380	0.6416	640	82.6020
390	0.7047	650	71.5702
400	1.0048	660	59.8430
410	2.2668	670	48.4077
420	9.1493	680	38.3453
430	34.9820	690	29.7376
440	88.1001	700	22.7307
450	88.0015	710	17.1425
460	46.2199	720	12.7347
470	28.5463	730	9.3738
480	30.5638	740	6.9476
490	43.0158	750	5.2225
500	57.7259	760	3.9228
510	68.0616	770	2.9028
520	75.1477	780	2.1436
530	81.5595	790	1.6027
540	88.5479	800	1.1888
550	95.6815	810	0.9244
560	101.1210	820	0.6986
570	105.1705	830	0.5542
580	107.8318	840	0.4123
590	109.9714	850	0.3445
600	110.1235		

Chromaticity Diagram CIE 1931 2 Degree



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.



*[Signature]*

Kelly C. Lerbs  
Vice President

NVLAP LAB CODE 200921-0

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