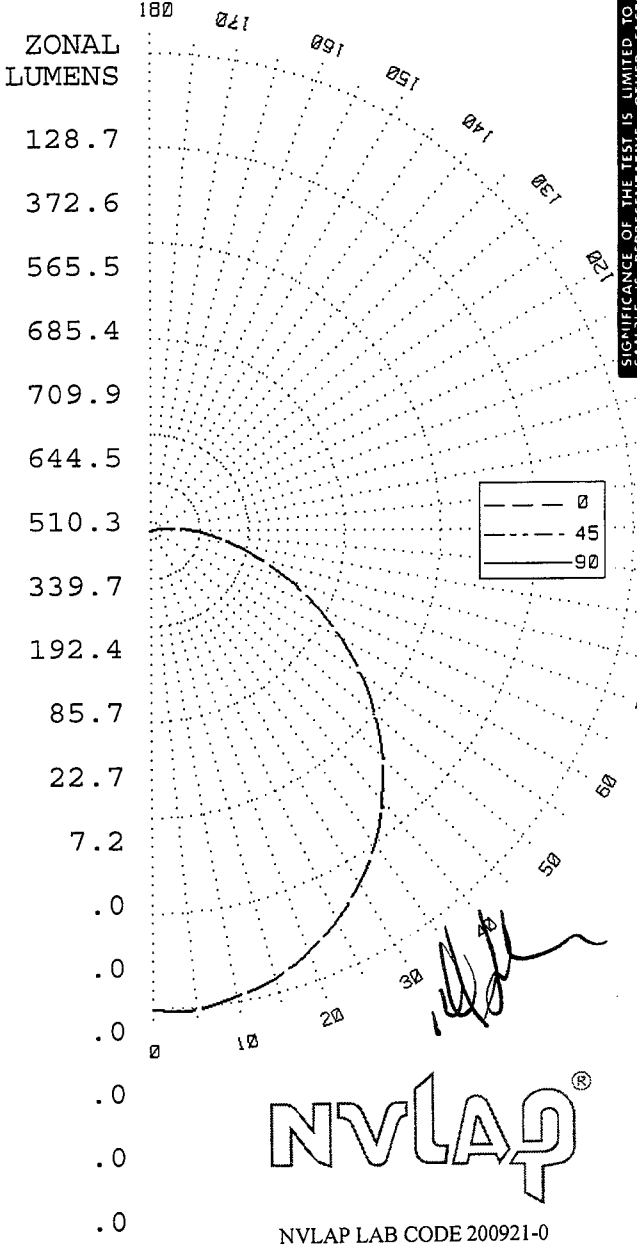


BALLABS CERTIFIED TEST REPORT NO.: 18681.0 DATE 02/19/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 4-24LED, 8-12LED ARRAYS 26"DIA PENDANT LUMINAIRE  
WHITE REFL w/MATTE WHITE ACRYLIC DROP LENS  
2 ROAL STRATO #RSLD035-11  
CATALOG NBR: P5526.LED-40LO-XX  
LAMP TYPE : M350C840D24N12S0C, M350C840D12N06S0C

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	1357.
5	1348.
10	1338.
15	1314.
20	1271.
25	1222.
30	1158.
35	1091.
40	1004.
45	917.
50	818.
55	718.
60	618.
65	514.
70	414.
75	321.
80	246.
85	176.
90	121.
95	79.
100	47.
105	21.
110	8.
115	7.
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.



LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1067.	NA.	25.0	90-120	116.	NA.	2.7
0- 40	1752.	NA.	41.1	90-130	116.	NA.	2.7
0- 60	3106.	NA.	72.8	90-150	116.	NA.	2.7
0- 90	4149.	NA.	97.3	90-180	116.	NA.	2.7
TOTAL LUMINAIRE =				0-180	4264.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9  
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.

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

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LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE

VERT  
 ANGLE

45	3341.
55	3040.
65	2691.
75	2294.
85	2082.

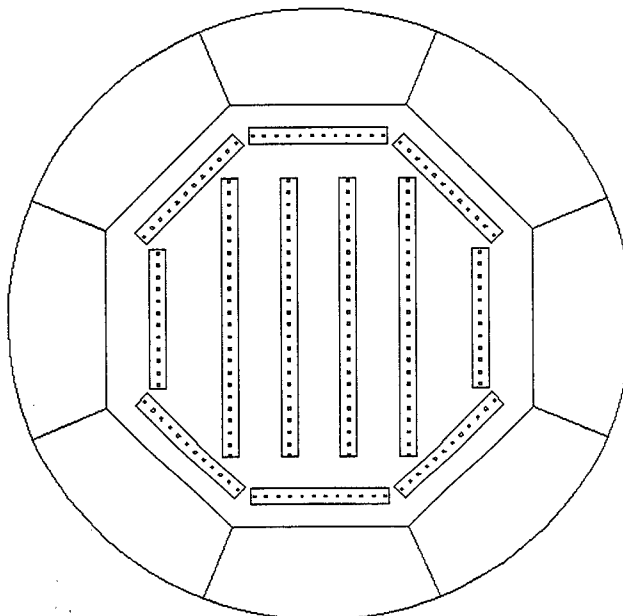
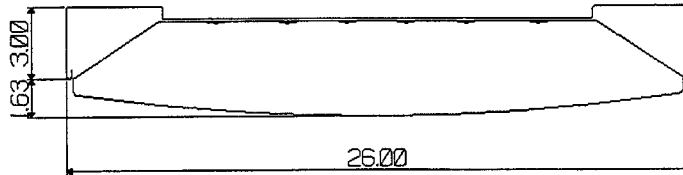
\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

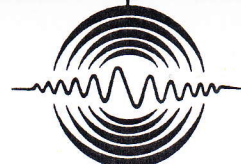
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ELECTRICAL CHARACTERISTICS 120.0V .4783A 55.478W

LUMINOUS EFFICACY (LUMENS / WATTS) = 76.9

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



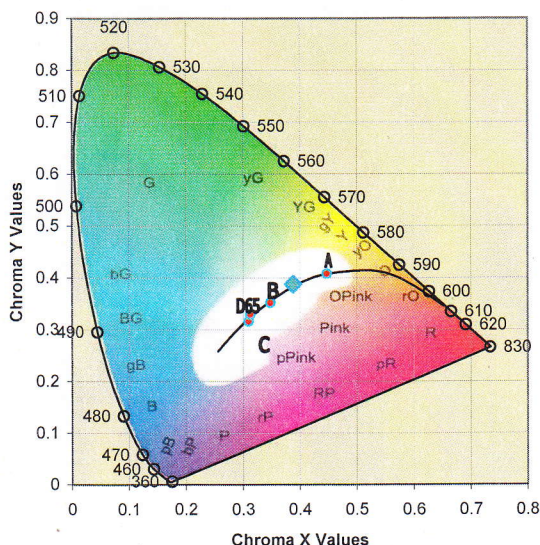


BALLABS CERTIFIED TEST REPORT NO.: 18681.0 A DATE 02/19/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 4-24LED, 8-12LED ARRAYS 26"DIA PENDANT LUMINAIRE  
WHITE REFL w/MATTE WHITE ACRYLIC DROP LENS  
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CATALOG NBR: P5526.LED-40LO-XX  
LAMP TYPE : M350C840D24N12S0C, M350C840D12N06S0C

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.4783
INPUT WATTS (W)	55.478
POWER FACTOR	0.9661
THDv (%)	0.1261%
THDi (%)	19.5860%
LUMINOUS EFFICACY-LPW	76.9
LUMINOUS FLUX- LUMENS	4264
CHROMA x	0.3885
CHROMA y	0.3876
CHROMA u	0.2261
CHROMA v	0.3383
DELTA uv (Duv)	0.0025
CORR COLOR TEMP (K)	3867
COLOR REND INDEX (RA)	83.75
COLOR REND INDEX (R9)	21.9

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.3883	610	68.5070
360	0.4100	620	64.4030
370	0.3928	630	59.1025
380	0.3620	640	52.9610
390	0.4484	650	45.8361
400	0.6091	660	38.2931
410	1.3658	670	30.9478
420	5.6348	680	24.4924
430	21.2711	690	18.9667
440	53.3130	700	14.5065
450	57.0294	710	10.8846
460	31.1605	720	8.0796
470	19.4341	730	5.9152
480	20.2115	740	4.3961
490	28.0664	750	3.2838
500	37.5048	760	2.4543
510	43.9166	770	1.8364
520	48.2188	780	1.3573
530	52.2437	790	1.0069
540	56.8167	800	0.7549
550	61.2884	810	0.5712
560	64.9340	820	0.4428
570	67.4782	830	0.3412
580	69.1503	840	0.2761
590	70.4899	850	0.2015
600	70.4012		

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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