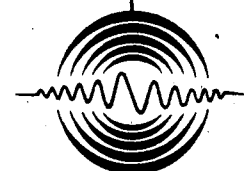


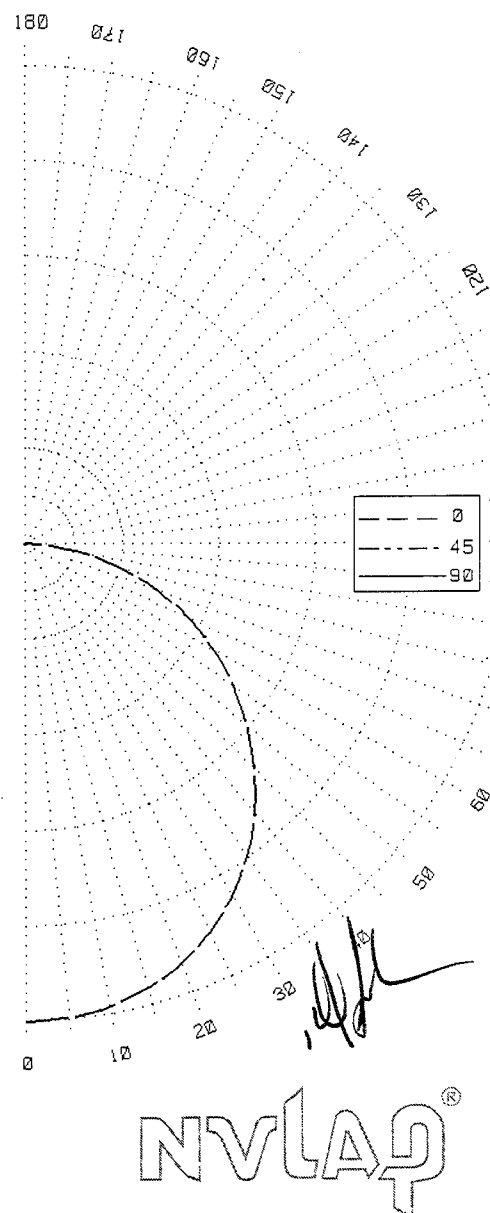
# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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



BALLABS CERTIFIED TEST REPORT NO.: 18692.0 DATE 03/09/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 14-24, 8-12, 4-36LED ARRAYS 48"DIA PENDANT LUMINAIRE  
WHITE REFLECTOR w/MATTE WHITE ACRYLIC CONVEX BTM LENS  
4 MEANWELL #LPF-40D-48  
CATALOG NBR: P5548.LED-40LO-XX  
LAMP TYPE : M350C840D36N18SOC, M350C840D24N12STC, M350C840D12N06STC  
CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	3032.	
5	3017.	288.0
10	2982.	
15	2918.	827.0
20	2835.	
25	2722.	1259.9
30	2583.	
35	2420.	1519.9
40	2237.	
45	2030.	1572.2
50	1814.	
55	1594.	1430.2
60	1368.	
65	1129.	1121.1
70	883.	
75	635.	671.5
80	401.	
85	196.	213.5
90	70.	
95	37.	40.7
100	34.	
105	30.	31.3
110	22.	
115	18.	18.3
120	12.	
125	9.	8.2
130	3.	
135	0.	.0
140	0.	.0
145	0.	.0
150	0.	.0
155	0.	.0
160	0.	.0
165	0.	.0
170	0.	.0
175	0.	.0
180	0.	.0



## LUMEN SUMMARY

NVLAP LAB CODE 200921-0

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2375.	NA.	26.4	90-120	90.	NA.	1.0
0- 40	3895.	NA.	43.3	90-130	99.	NA.	1.1
0- 60	6897.	NA.	76.6	90-150	99.	NA.	1.1
0- 90	8903.	NA.	98.9	90-180	99.	NA.	1.1

TOTAL LUMINAIRE = 0-180 9002. 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.

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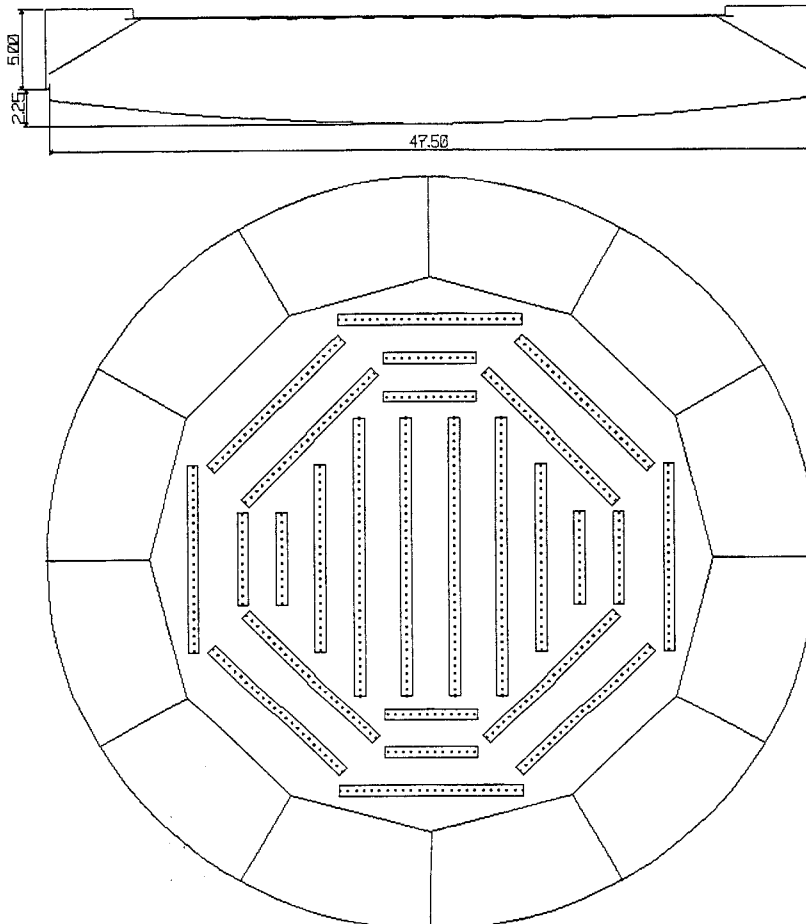
LUMINANCES-CD/SQ-M	
HORIZONTAL ANGLE	
VERT	0
ANGLE	
45	2289.
55	2158.
65	1989.
75	1671.
85	1085.
**MAXIMUM BRIGHTNESSES NOT MEASURED**	

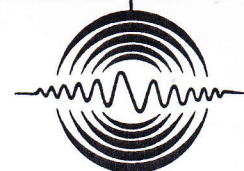
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ELECTRICAL CHARACTERISTICS 120.0V 1.1378A 135.44W

LUMINOUS EFFICACY (LUMENS / WATTS) = 66.5

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



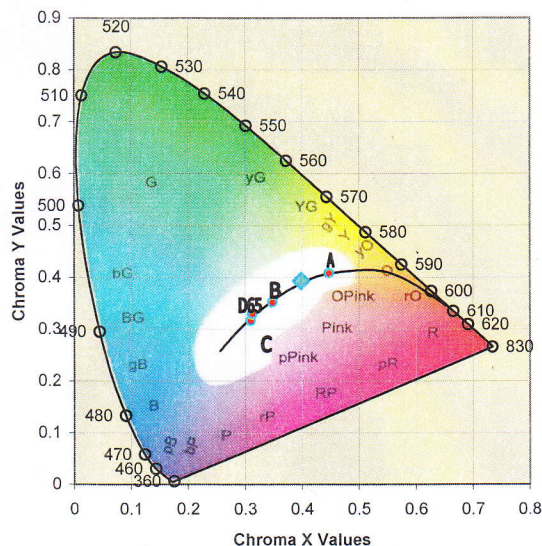


BALLABS CERTIFIED TEST REPORT NO.: 18692.0 A DATE 03/09/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 14-24, 8-12, 4-36LED ARRAYS 48"DIA PENDANT LUMINAIRE  
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CATALOG NBR: P5548.LED-40LO-XX  
LAMP TYPE : M350C840D36N18SOC, M350C840D24N12STC, M350C840D12N06STC

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	1.1378
INPUT WATTS (W)	135.440
POWER FACTOR	0.9921
THDv (%)	0.2048%
THDi (%)	7.2175%
LUMINOUS EFFICACY-LPW	66.5
LUMINOUS FLUX- LUMENS	9002
CHROMA x	0.3990
CHROMA y	0.3921
CHROMA u	0.2311
CHROMA v	0.3406
DELTA uv (Duv)	0.0014
CORR COLOR TEMP (K)	3649
COLOR REND INDEX (RA)	85.60
COLOR REND INDEX (R9)	26.8

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.8792	610	152.1363
360	0.6742	620	144.8483
370	0.7764	630	133.3683
380	0.7399	640	119.2127
390	0.6892	650	103.0800
400	0.9036	660	86.3538
410	1.4474	670	70.2598
420	5.1485	680	56.4977
430	19.9029	690	44.6004
440	58.4092	700	34.5861
450	109.3400	710	26.1311
460	100.3618	720	19.6317
470	65.0830	730	14.4458
480	51.8086	740	10.7719
490	60.6699	750	8.1329
500	74.6268	760	6.1377
510	86.4453	770	4.5521
520	95.4001	780	3.4221
530	103.9128	790	2.5485
540	114.4451	800	1.9270
550	125.6122	810	1.4210
560	134.8662	820	1.1549
570	142.8919	830	0.8659
580	148.9964	840	0.6883
590	153.0819	850	0.4962
600	154.6433		

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.



*[Handwritten signature]*

Kelly C. Lerbs  
Vice President

NVLAP LAB CODE 200921-0

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