

BALLABS CERTIFIED TEST REPORT NO.: 18612.0 DATE 01/13/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: BRIDGELUX LED ARRAY w/.12" CLEAR ACRYLIC LENS 16"DIA BUL.IT  
PENDANT LUMINAIRE w/14.5"DIA ALUM CONICAL WHITE INNER REFL  
.125"FROST ACRYLIC CONCAVE LENS DRIVER #LED40W-024-C1670-D  
CATALOG NBR: P3316.LED-40HI-XX-BL  
LAMP TYPE : BXRA-40E4500-H-03 RATED LUMENS NA. NBR. LAMPS:- 1

## CANDLEPOWER DISTRIBUTION

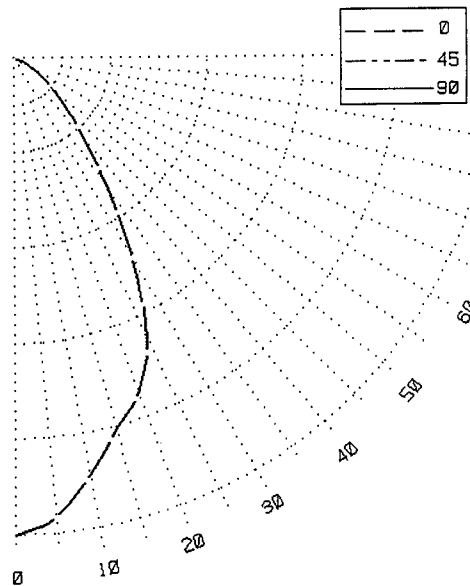
VERT  
ANG  
0  
5  
10  
15  
20  
25  
30  
35  
40  
45  
50  
55  
60  
65  
70  
75  
80  
85  
90

### AVERAGE CANDELA

2776.  
2685.  
2470.  
2245.  
2078.  
1807.  
1362.  
943.  
643.  
444.  
305.  
212.  
146.  
92.  
52.  
26.  
9.  
2.  
0.

### ZONAL LUMENS

256.3  
636.3  
836.4  
592.5  
343.5  
190.0  
90.8  
27.5  
2.4



*Handwritten signature*

**NVLAP®**

NVLAP LAB CODE 200921-0

## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1729.	NA.	58.1	90-120	0.	NA.	.0
0- 40	2321.	NA.	78.0	90-130	0.	NA.	.0
0- 60	2855.	NA.	95.9	90-150	0.	NA.	.0
0- 90	2976.	NA.	100.0	90-180	0.	NA.	.0

TOTAL LUMINAIRE = 0-180 2976. NA. 100.0

IES SPACING CRITERIA: ADJACENT= .9 DIAGONAL= .6

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	0
ANGLE	
45	5031.
55	2962.
65	1737.
75	805.
85	203.

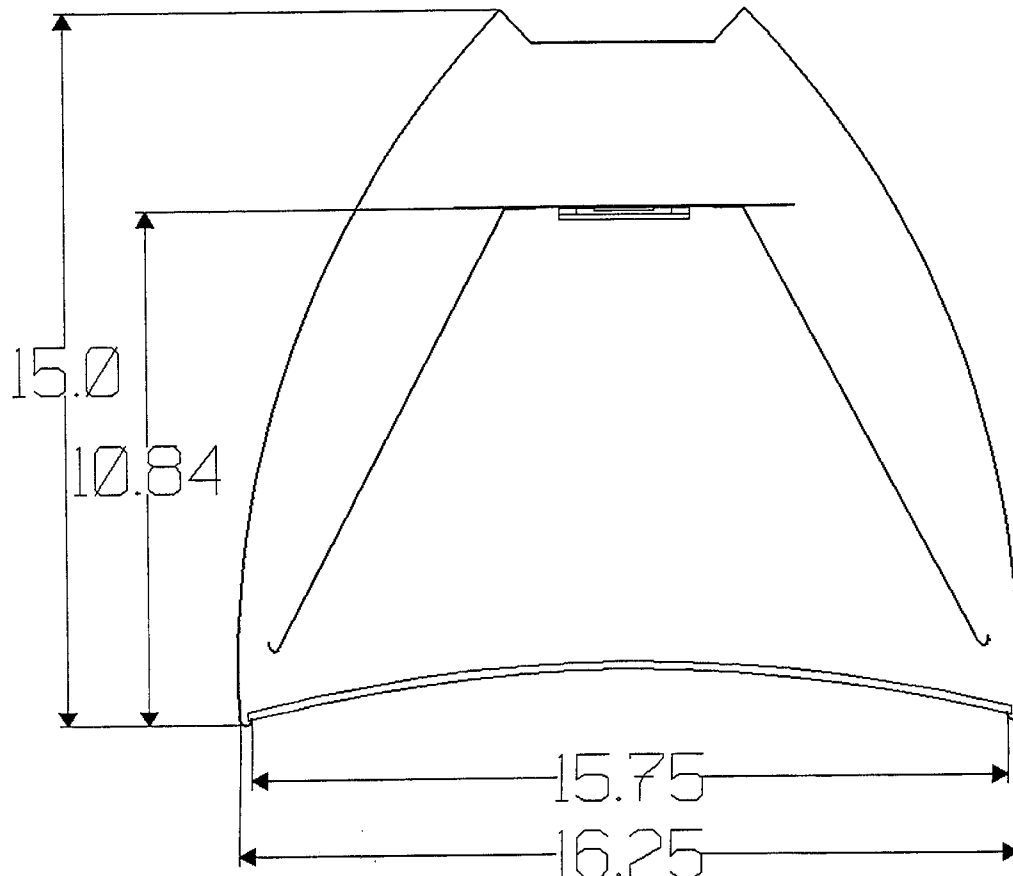
\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

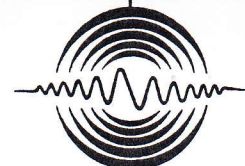
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ELECTRICAL CHARACTERISTICS 120.0V .3850A 45.172W

LUMINOUS EFFICACY (LUMENS / WATTS) = 65.9

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





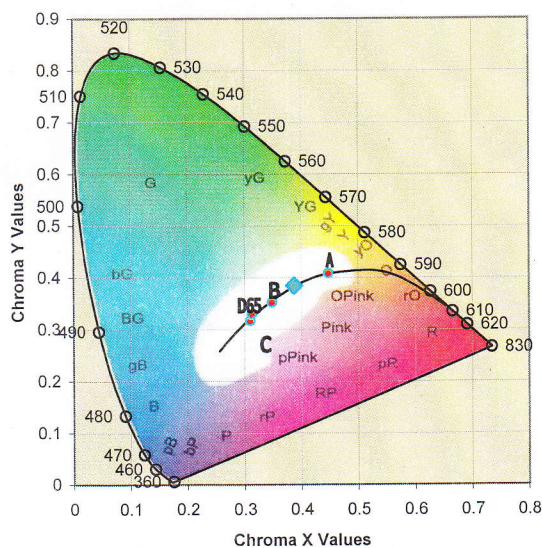
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INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.3850
INPUT WATTS (W)	45.172
POWER FACTOR	0.9776
THDv (%)	0.1735%
THDi (%)	14.1810%
LUMINOUS EFFICACY-LPW	65.9
LUMINOUS FLUX- LUMENS	2976
CHROMA x	0.3872
CHROMA y	0.3837
CHROMA u	0.2267
CHROMA v	0.3371
DELTA uv (Duv)	0.0012
CORR COLOR TEMP (K)	3872
COLOR REND INDEX (RA)	82.18
COLOR REND INDEX (R9)	15

Wavelength (nm)	Spectral Flux mW/nm
350	0.1676
360	0.1683
370	0.1641
380	0.1863
390	0.2006
400	0.3482
410	1.0901
420	4.4540
430	12.9122
440	25.6496
450	44.5066
460	31.7354
470	20.4346
480	14.9770
490	16.8667
500	22.0908
510	27.5973
520	32.2431
530	36.1922
540	39.8264
550	43.0644
560	45.9599
570	48.1407
580	49.5796
590	50.1764
600	49.6600

Wavelength (nm)	Spectral Flux mW/nm
610	47.8117
620	44.6291
630	40.3521
640	35.4755
650	30.4049
660	25.2680
670	20.4393
680	16.1728
690	12.5804
700	9.6205
710	7.2992
720	5.4937
730	4.0764
740	3.0265
750	2.2486
760	1.6963
770	1.2446
780	0.9388
790	0.7023
800	0.5371
810	0.4046
820	0.3174
830	0.2299
840	0.1967
850	0.1395

Chromaticity Diagram CIE 1931 2 Degree

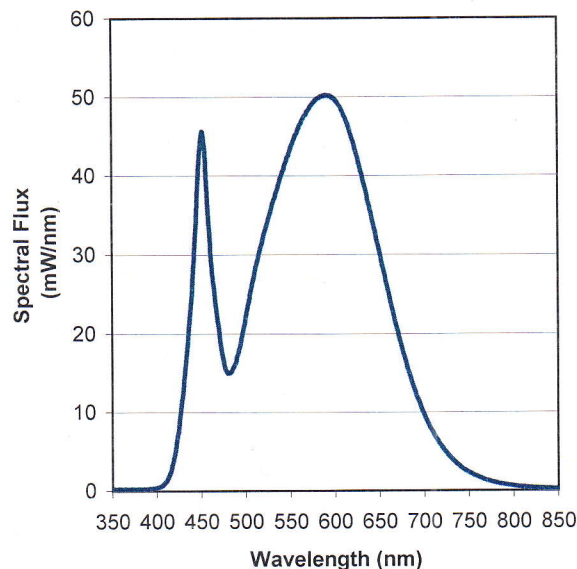


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C Lerbs  
Vice President



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