

BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

1618 HEADLAND DR.
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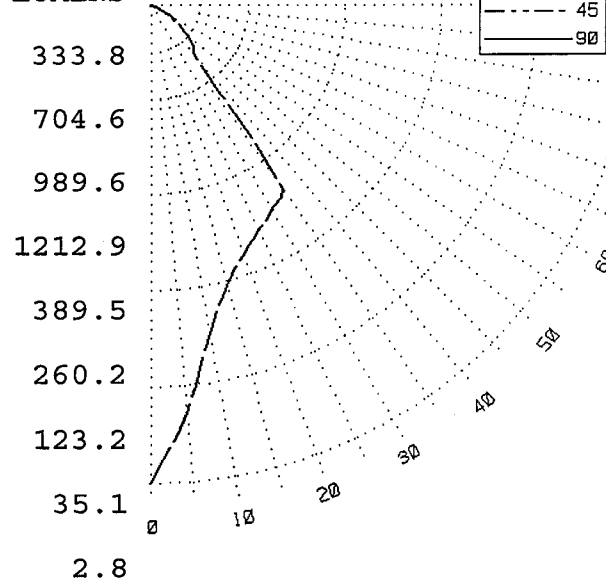


BALLABS CERTIFIED TEST REPORT NO.: 20616.1 DATE 12/05/18
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
DESCRIPTION: 1-BRIDGELUX VERO 18 SE TIKI 13"DIA PENDANT LUMINAIRE
WHITE REFLECTOR IN 12.5"DIA OPEN BOTTOM ALUM HOUSING
AC ELECTRONICS #AC-50CD1.4APC7 @ 850mA
CATALOG NBR: P5113-40HI-NUL P4913-40HI (DOWN LIGHT ONLY)
LAMP TYPE : BRIDGELUX VERO 18 SE

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	4078.
5	3497.
10	2851.
15	2486.
20	2275.
25	2138.
30	2034.
35	1931.
40	570.
45	503.
50	408.
55	290.
60	196.
65	124.
70	70.
75	33.
80	12.
85	3.
90	0.

ZONAL LUMENS



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NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2028.	NA.	50.1	90-120	0.	NA.	.0
0- 40	3241.	NA.	80.0	90-130	0.	NA.	.0
0- 60	3891.	NA.	96.0	90-150	0.	NA.	.0
0- 90	4052.	NA.	100.0	90-180	0.	NA.	.0

TOTAL LUMINAIRE = 0-180 4052. NA. 100.0

IES SPACING CRITERIA: ADJACENT= .6 DIAGONAL= .5

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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0
45	8915.
55	6338.
65	3680.
75	1608.
85	367.

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	.00			
RCR																					
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	1.03	1.04	1.02	1.00	1.00	.98	.97	.96	.95	.94	.92			
2	1.06	1.01	.96	.93	1.04	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84			
3	1.00	.93	.87	.83	.98	.92	.86	.82	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77			
4	.94	.86	.79	.75	.92	.84	.79	.74	.82	.77	.73	.80	.76	.72	.78	.75	.72	.70			
5	.88	.79	.72	.67	.86	.78	.72	.67	.76	.70	.66	.74	.69	.66	.72	.68	.65	.63			
6	.83	.73	.66	.61	.81	.72	.66	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.58			
7	.78	.67	.61	.56	.77	.67	.60	.56	.65	.60	.55	.64	.59	.55	.63	.58	.55	.53			
8	.73	.62	.55	.51	.72	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48			
9	.68	.57	.50	.46	.67	.56	.50	.46	.55	.49	.45	.54	.49	.45	.53	.49	.45	.43			
10	.64	.53	.46	.42	.63	.52	.46	.41	.51	.45	.41	.50	.45	.41	.49	.45	.41	.39			

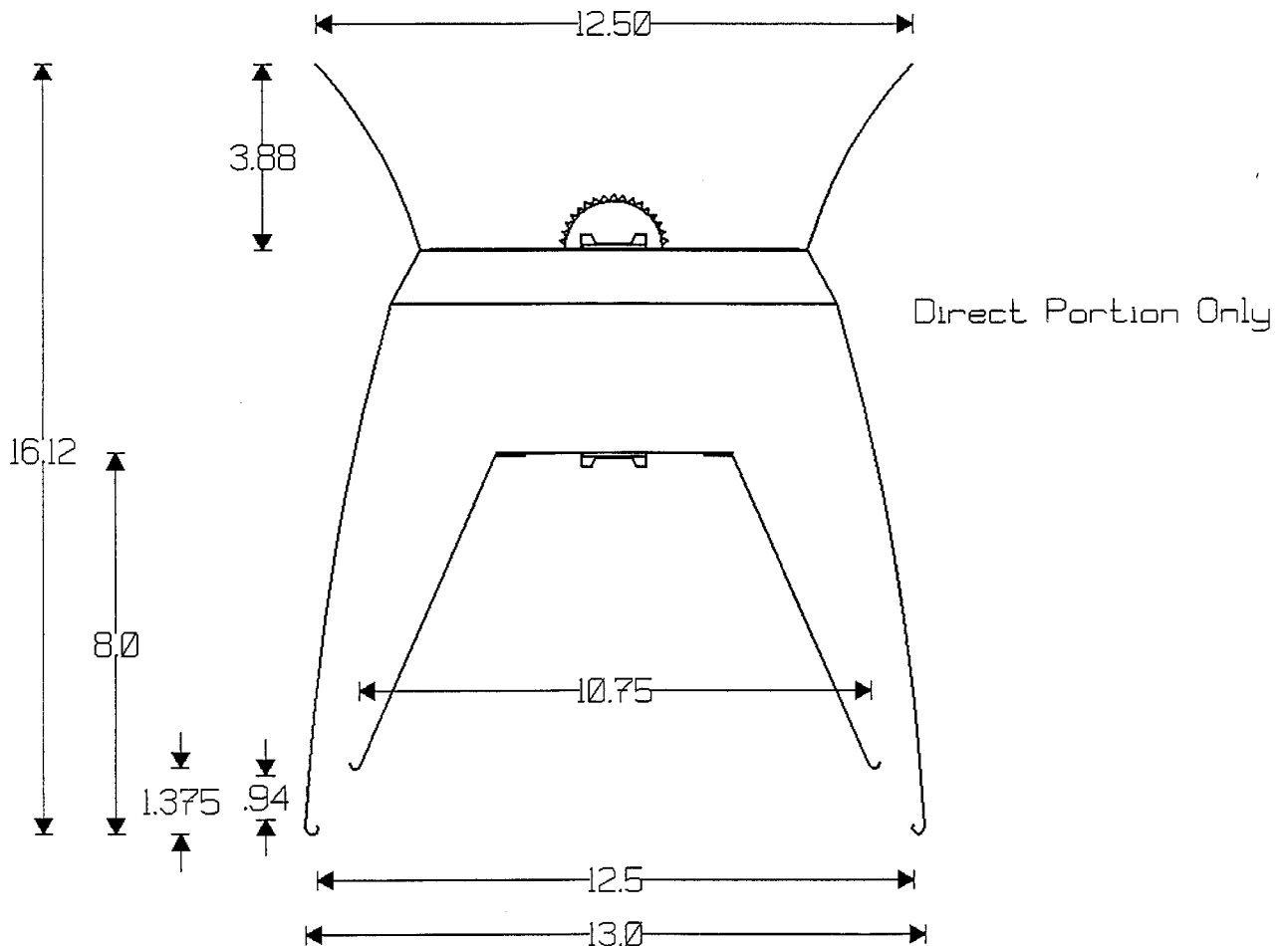
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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ELECTRICAL CHARACTERISTICS 119.98V .2895A 34.6670W

LUMINOUS EFFICACY (LUMENS / WATTS) = 116.9

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



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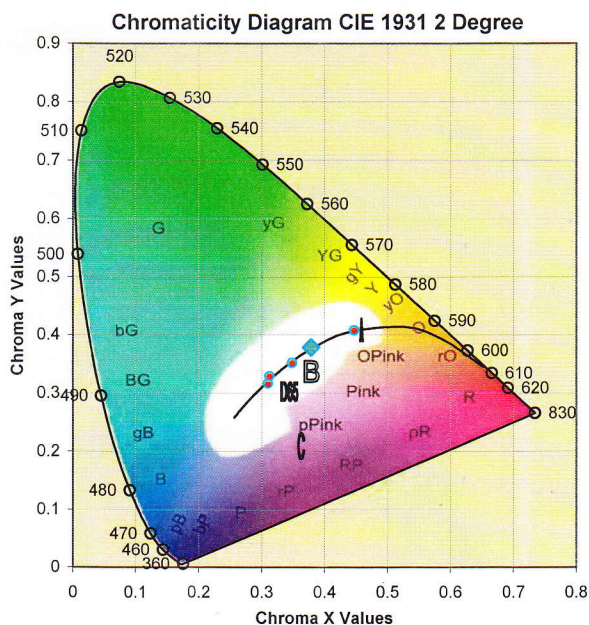
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INPUT VOLTAGE (V)	119.98
INPUT CURRENT (A)	0.2895
INPUT WATTS (W)	34.6670
POWER FACTOR	0.9981
THDv (%)	0.159
THDi (%)	2.572
LUMINOUS EFFICACY-LPW	116.9
LUMINOUS FLUX- LUMENS	4052
CHROMA x	0.3791
CHROMA y	0.3783
CHROMA u	0.2236
CHROMA v	0.5021
DELTA uv (Duv)	0.0011
CORR COLOR TEMP (K)	4048
COLOR REND INDEX (RA)	82.55
COLOR REND INDEX (R9)	9.6

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2602	610	65.2183
360	0.2757	620	59.7719
370	0.2852	630	52.7090
380	0.2933	640	44.5220
390	0.3505	650	36.4680
400	0.5494	660	28.8890
410	1.3294	670	22.3024
420	4.6344	680	16.9219
430	14.5624	690	12.7621
440	40.4717	700	9.5158
450	77.2819	710	6.9959
460	40.9017	720	5.1889
470	24.7214	730	3.7862
480	19.8256	740	2.7491
490	24.6583	750	2.0467
500	33.9425	760	1.5231
510	41.4467	770	1.1221
520	46.6361	780	0.8304
530	50.3849	790	0.6159
540	53.9782	800	0.4741
550	57.4467	810	0.3682
560	61.1605	820	0.2796
570	64.3453	830	0.2104
580	67.0871	840	0.1555
590	68.3134	850	0.1443
600	68.1166		



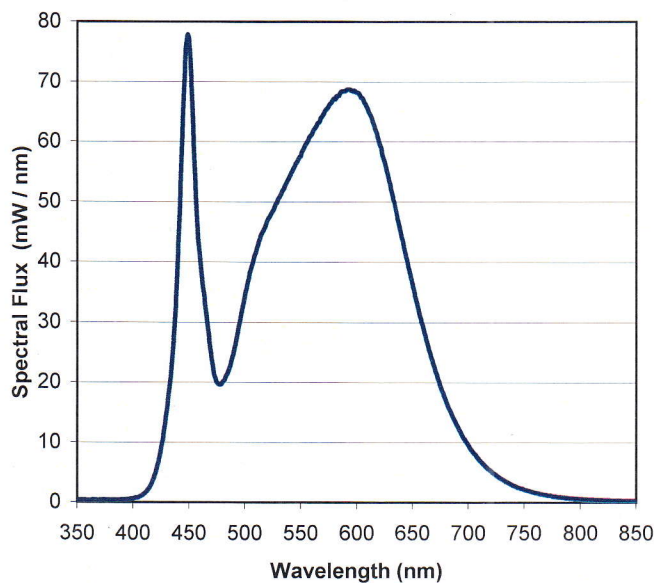
Data collected per LM79-08 using a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C. Lerbs

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Vice President



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