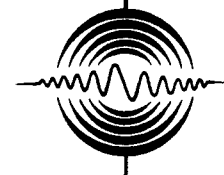


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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



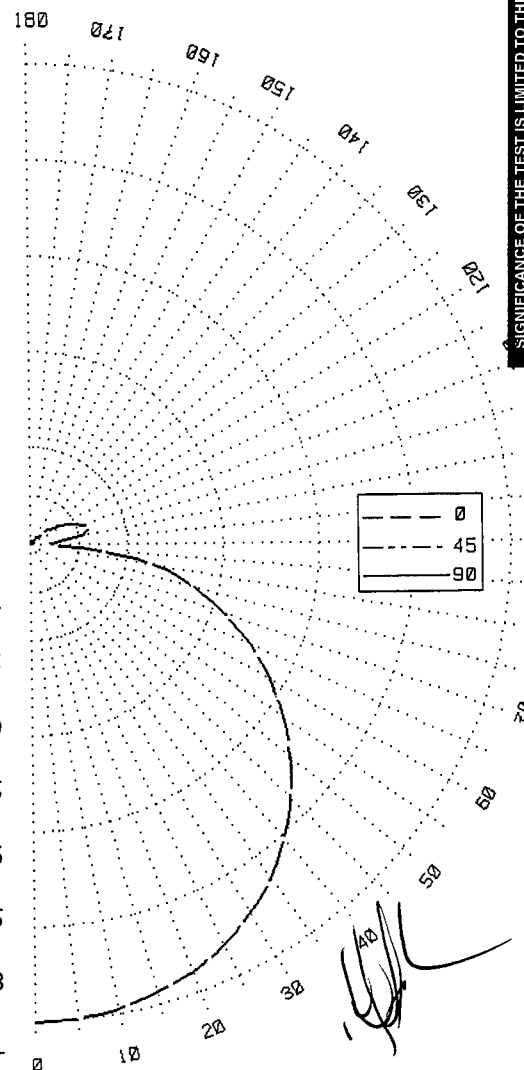
BALLABS CERTIFIED TEST REPORT NO.: 19611.0 DATE 12/13/16
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
DESCRIPTION: 12-24LED 6"ARRAYS 26"DIA WHT.WAL RING PENDANT LUMINAIRE
WHITE REFL w/1PIECE .125"THK VIRGIN WHITE ACRYLIC INNER &
BTM LENS 2 ROAL STRATO #RSLD035-06
CATALOG NBR: P6326-40HI-PTD
LAMP TYPE : LM-700-06-40K

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	1145.
5	1141.
10	1131.
15	1113.
20	1091.
25	1062.
30	1024.
35	981.
40	927.
45	867.
50	800.
55	729.
60	653.
65	574.
70	488.
75	402.
80	309.
85	163.
90	50.
95	49.
100	120.
105	144.
110	133.
115	114.
120	96.
125	76.
130	55.
135	32.
140	17.
145	7.
150	4.
155	4.
160	6.
165	6.
170	7.
175	8.
180	9.

ZONAL LUMENS

108.9
315.5
491.7
616.6
671.4
654.2
569.4
425.1
177.6
54.0
152.6
113.5
68.6
24.8
4.1
1.9
1.6
.7



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	916.	NA.	20.6	90-120	320.	NA.	7.2
0- 40	1533.	NA.	34.4	90-130	389.	NA.	8.7
0- 60	2858.	NA.	64.2	90-150	418.	NA.	9.4
0- 90	4031.	NA.	90.5	90-180	422.	NA.	9.5
TOTAL LUMINAIRE =				0-180	4452.	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	3594.
55	3670.
65	3820.
75	4141.
85	3972.

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	.50	.30	.10	.00
RCR																					
0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.93	.93	.93	.91
1	1.06	1.01	.96	.92	1.02	.98	.93	.90	.92	.88	.85	.86	.83	.81	.81	.79	.77	.74	.74	.74	.74
2	.96	.87	.80	.74	.92	.84	.78	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.63	.63	.63	.61
3	.87	.76	.68	.61	.84	.74	.66	.60	.70	.63	.58	.66	.60	.56	.62	.57	.53	.53	.53	.53	.51
4	.80	.67	.58	.51	.76	.65	.57	.50	.62	.54	.49	.58	.52	.47	.55	.50	.45	.45	.45	.45	.43
5	.72	.59	.50	.43	.69	.57	.49	.42	.54	.47	.41	.51	.45	.40	.48	.43	.38	.38	.38	.38	.36
6	.66	.53	.43	.37	.64	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.33	.33	.33	.31
7	.61	.47	.38	.32	.59	.46	.37	.31	.43	.36	.30	.41	.34	.29	.39	.33	.29	.29	.29	.29	.26
8	.56	.42	.33	.27	.54	.41	.33	.27	.39	.31	.26	.37	.30	.25	.35	.29	.25	.25	.25	.25	.23
9	.52	.38	.29	.23	.50	.37	.29	.23	.35	.28	.22	.33	.26	.22	.31	.25	.21	.21	.21	.21	.19
10	.48	.34	.26	.21	.46	.33	.26	.20	.32	.25	.20	.30	.24	.19	.28	.23	.19	.19	.19	.19	.17

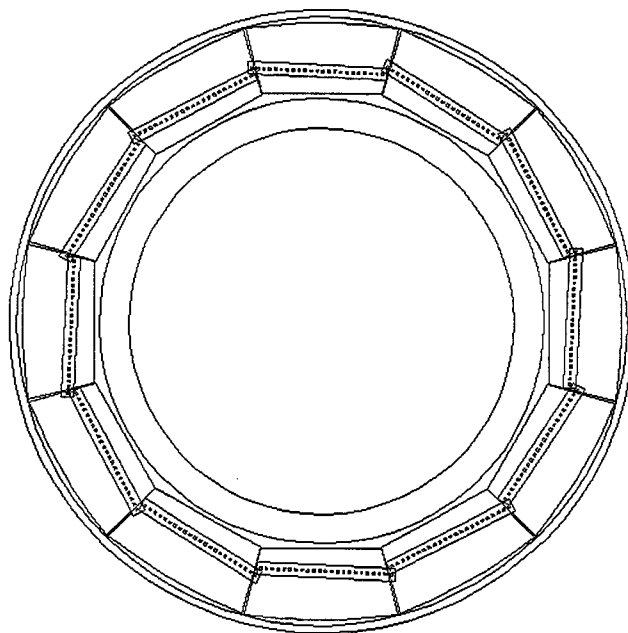
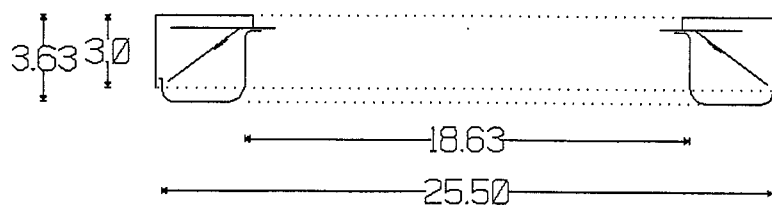
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

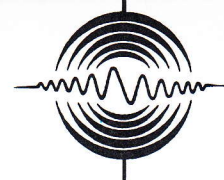
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CATALOG NBR: P6326-40HI-PTD
LAMP TYPE : LM-700-06-40K

ELECTRICAL CHARACTERISTICS 120.0V .4788A 54.099W

LUMINOUS EFFICACY (LUMENS / WATTS) = 82.3

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



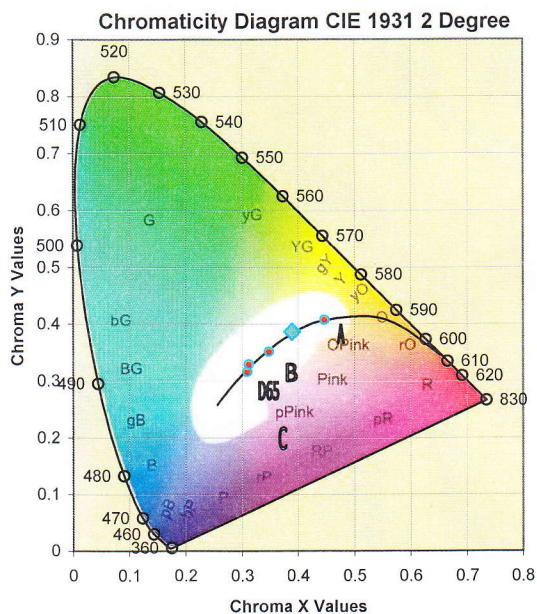


BALLABS CERTIFIED TEST REPORT NO.: 19611.0 A DATE 12/13/16
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CATALOG NBR: P6326-40HI-PTD
LAMP TYPE : LM-700-06-40K

INPUT VOLTAGE (V)	120.02
INPUT CURRENT (A)	0.4788
INPUT WATTS (W)	54.099
POWER FACTOR	0.9414
THD _v (%)	0.157
THD _i (%)	25.494
LUMINOUS EFFICACY-LPW	82.3
LUMINOUS FLUX- LUMENS	4452
CHROMA x	0.3901
CHROMA y	0.3869
CHROMA u	0.2274
CHROMA v	0.3383
DELTA uv (Duv)	0.0020
CORR COLOR TEMP (K)	3826
COLOR REND INDEX (RA)	82.80
COLOR REND INDEX (R9)	6.0

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2621	610	74.6294
360	0.3263	620	68.2151
370	0.3300	630	59.7228
380	0.3311	640	50.2044
390	0.3754	650	40.8440
400	0.4378	660	32.0746
410	0.8154	670	24.7375
420	3.0119	680	18.9549
430	10.3527	690	14.3668
440	28.5888	700	10.8346
450	69.2898	710	8.0624
460	50.1346	720	6.0036
470	33.1220	730	4.3985
480	24.9884	740	3.2716
490	29.3582	750	2.4524
500	37.5971	760	1.8720
510	44.1438	770	1.3900
520	48.6876	780	1.0440
530	52.4252	790	0.7893
540	56.7065	800	0.5997
550	61.2352	810	0.4624
560	66.1557	820	0.3553
570	71.1760	830	0.2845
580	75.6777	840	0.2281
590	78.3515	850	0.1780
600	78.1295		



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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