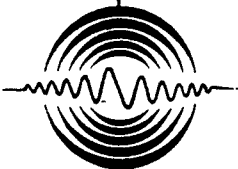


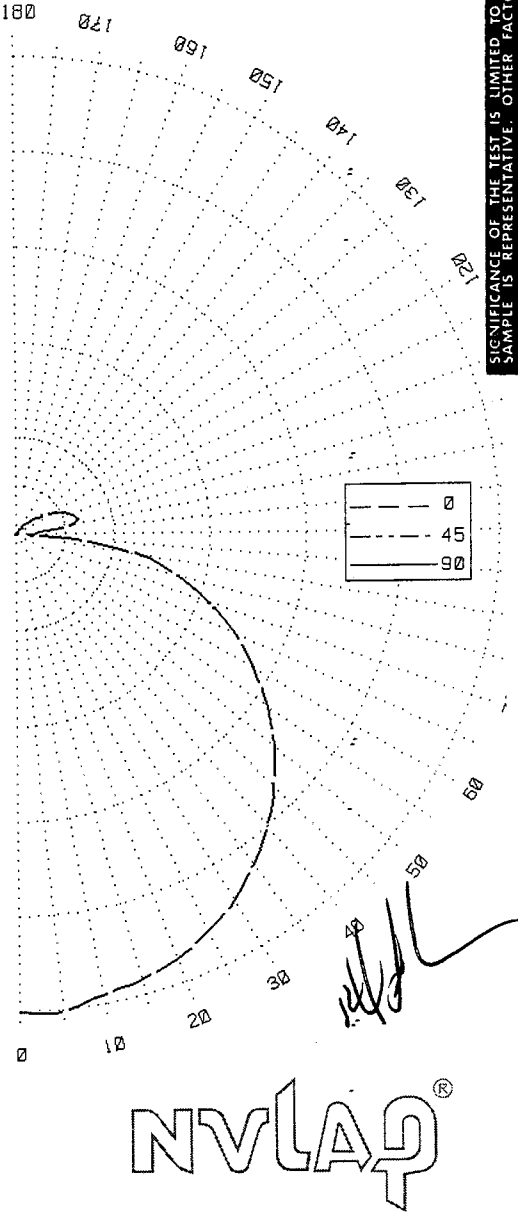
BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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



BALLABS CERTIFIED TEST REPORT NO.: 19170.0 DATE 11/23/19
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
DESCRIPTION: 16-24LED 6"ARRAYS 38"DIA WHT.WAL RING PENDANT LUMINAIRE
WHITE REFL w/1PIECE .125"THK VIRGIN WHITE ACRYLIC INNER &
BTM LENS 4 ROAL STRATO #RSLD035-03
CATALOG NBR: P6338-35HI
LAMP TYPE : M700C835D24N06STC
CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	1292.	122.7
5	1285.	354.1
10	1265.	550.5
15	1249.	686.8
20	1224.	750.1
25	1189.	734.0
30	1148.	637.8
35	1093.	470.6
40	1036.	174.0
45	969.	66.2
50	897.	174.5
55	818.	136.0
60	730.	81.6
65	643.	38.3
70	543.	8.7
75	445.	.0
80	336.	.0
85	160.	.0
90	28.	.0
95	61.	.0
100	156.	.0
105	165.	.0
110	155.	.0
115	137.	.0
120	114.	.0
125	91.	.0
130	69.	.0
135	49.	.0
140	31.	.0
145	14.	.0
150	3.	.0
155	0.	.0
160	0.	.0
165	0.	.0
170	0.	.0
175	0.	.0
180	0.	.0



NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1027.	NA.	20.6	90-120	377.	NA.	7.6
0- 40	1714.	NA.	34.4	90-130	458.	NA.	9.2
0- 60	3198.	NA.	64.1	90-150	505.	NA.	10.1
0- 90	4481.	NA.	89.9	90-180	505.	NA.	10.1
TOTAL LUMINAIRE =				0-180	4986.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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

BALLABS CERTIFIED TEST REPORT NO.: 19170.0 DATE 11/23/15
 PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
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 WHITE REFL w/1PIECE .125"THK VIRGIN WHITE ACRYLIC INNER &
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 CATALOG NBR: P6338-35HI
 LAMP TYPE : M700C835D24N06STC

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT	0
ANGLE	
45	1868.
55	1928.
65	2025.
75	2218.
85	2051.

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	1.17	1.17	1.17	1.17	1.13	1.13	1.13	1.13	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1	1.06	1.01	.96	.92	1.02	.98	.93	.90	.91	.88	.85	.86	.83	.81	.81	.79	.77	.74
2	.96	.87	.80	.74	.92	.84	.78	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.61
3	.87	.76	.68	.61	.84	.74	.66	.60	.70	.63	.58	.66	.60	.56	.62	.57	.53	.51
4	.80	.67	.58	.52	.76	.65	.57	.51	.62	.54	.49	.58	.52	.47	.55	.50	.45	.43
5	.72	.59	.50	.43	.69	.57	.49	.42	.54	.47	.41	.51	.45	.40	.48	.43	.38	.36
6	.66	.53	.43	.37	.64	.51	.43	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.31
7	.61	.47	.38	.32	.59	.46	.37	.31	.43	.36	.30	.41	.34	.29	.39	.33	.29	.26
8	.56	.42	.33	.27	.54	.41	.33	.27	.39	.31	.26	.37	.30	.25	.35	.29	.25	.23
9	.52	.38	.29	.24	.50	.37	.29	.23	.35	.28	.23	.33	.26	.22	.31	.25	.21	.19
10	.48	.34	.26	.21	.46	.33	.26	.20	.32	.25	.20	.30	.24	.19	.28	.23	.19	.17

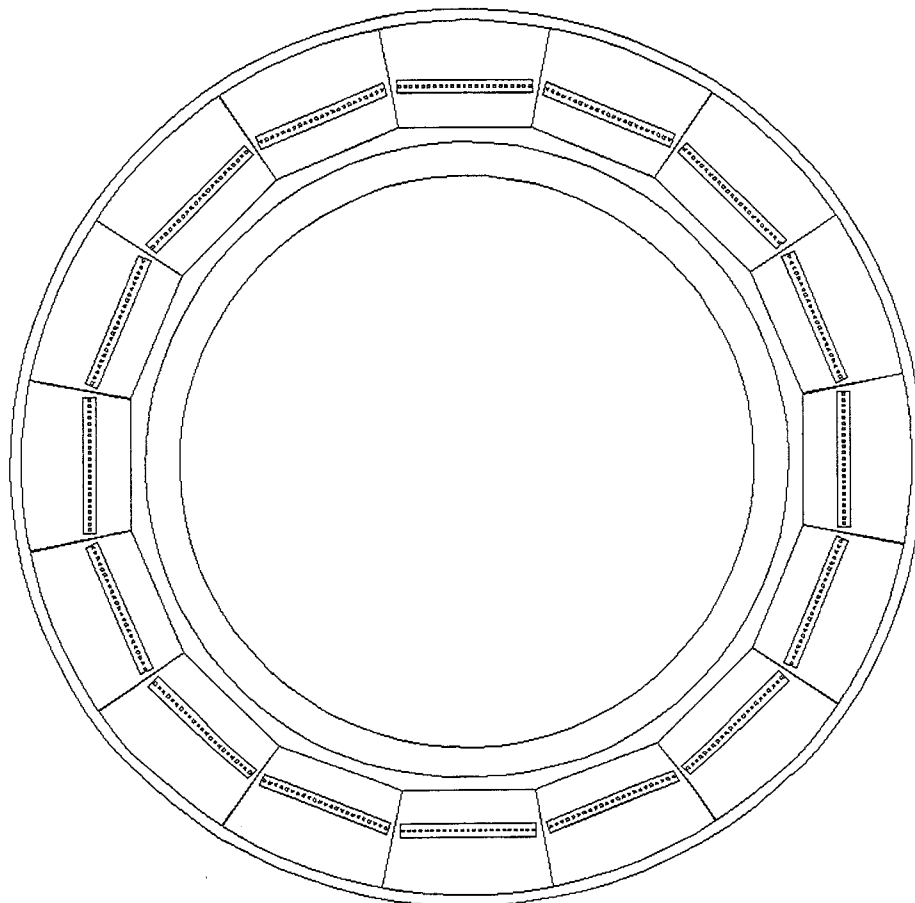
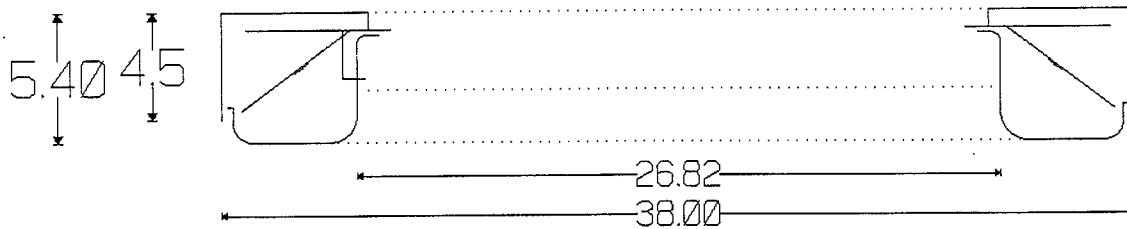
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

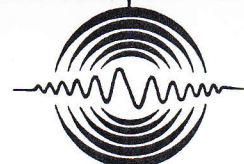
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 CATALOG NBR: P6338-35HI
 LAMP TYPE : M700C835D24N06STC

ELECTRICAL CHARACTERISTICS 120.0V .6421A 72.376W

LUMINOUS EFFICACY (LUMENS / WATTS) = 68.9

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





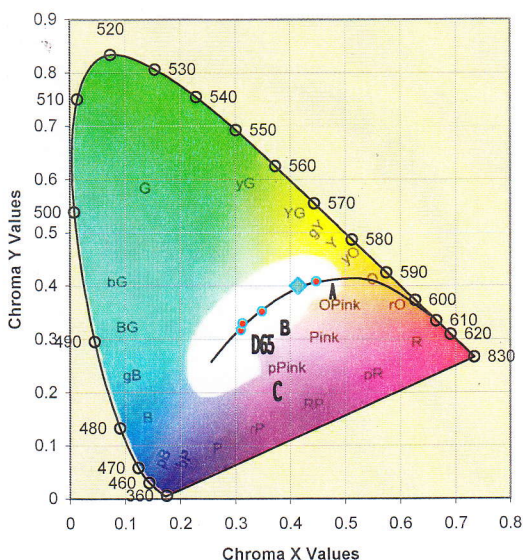
BALLABS CERTIFIED TEST REPORT NO.: 19170.0 A DATE 11/23/15
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CATALOG NBR: P6338-35HI
LAMP TYPE : M700C835D24N06STC

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.6421
INPUT WATTS (W)	72.376
POWER FACTOR	0.9393
THDv (%)	0.2019%
THDi (%)	24.1200%
LUMINOUS EFFICACY-LPW	68.9
LUMINOUS FLUX- LUMENS	4986
CHROMA x	0.4145
CHROMA y	0.399
CHROMA u	0.2383
CHROMA v	0.344
DELTA uv (Duv)	0.0011
CORR COLOR TEMP (K)	3370
COLOR REND INDEX (RA)	83.67
COLOR REND INDEX (R9)	18.5

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.4417	610	88.6832
360	0.4817	620	84.4679
370	0.4326	630	77.7141
380	0.3995	640	68.9835
390	0.3533	650	59.0483
400	0.4487	660	48.8181
410	0.9066	670	39.2864
420	3.5075	680	31.4266
430	13.2227	690	24.7036
440	35.6801	700	19.1166
450	62.3538	710	14.5372
460	35.4003	720	10.8692
470	24.2860	730	8.0181
480	22.4111	740	5.9798
490	28.9514	750	4.5221
500	37.7569	760	3.4068
510	44.5842	770	2.5343
520	49.8416	780	1.8788
530	55.2349	790	1.3813
540	61.3473	800	1.0512
550	68.1417	810	0.8027
560	74.4294	820	0.6138
570	80.0984	830	0.4715
580	85.1421	840	0.3666
590	88.7003	850	0.2809
600	90.1200		

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.



Kelly C. Lerbs
Vice President

NVLAP LAB CODE 200921-0

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