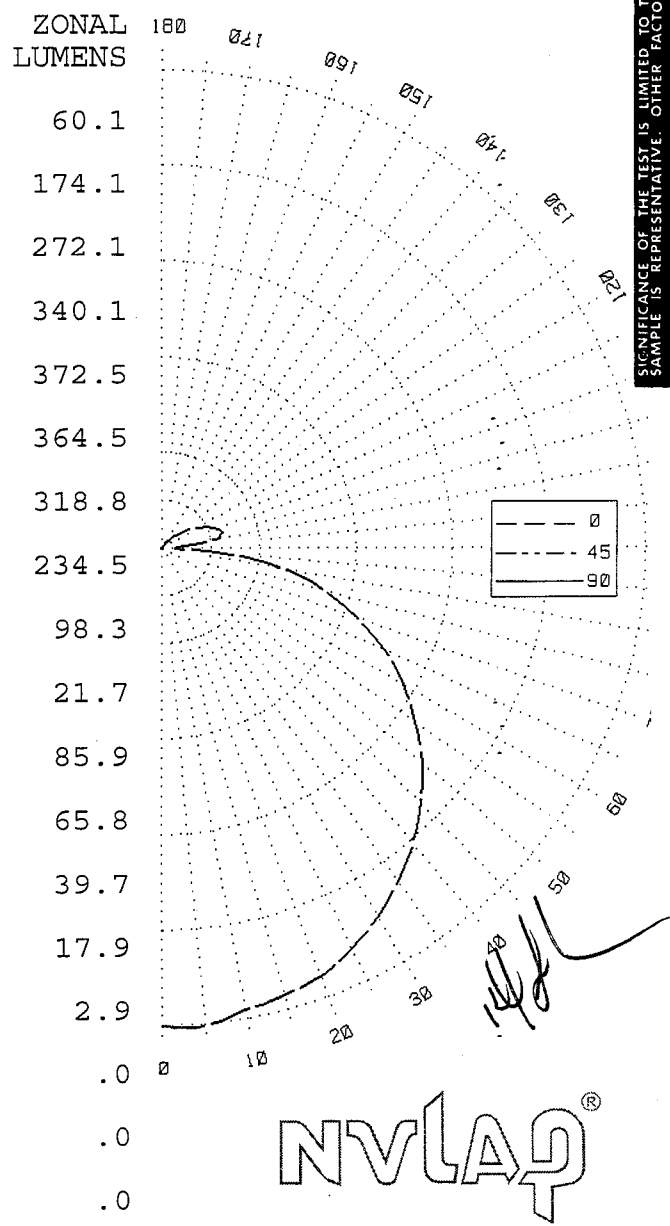


BALLABS CERTIFIED TEST REPORT NO.: 19169.0 DATE 11/23/15  
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO  
DESCRIPTION: 16-12LED 6"ARRAYS 38"DIA WHT.WAL RING PENDANT LUMINAIRE  
WHITE REFL w/1PIECE .125"THK VIRGIN WHITE ACRYLIC INNER &  
BTM LENS ROAL STRATO #RSLD035-05  
CATALOG NBR: P6338-35LO  
LAMP TYPE : M350C835D12N06STC  
CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	634.
5	630.
10	622.
15	614.
20	604.
25	588.
30	567.
35	541.
40	513.
45	481.
50	446.
55	406.
60	367.
65	321.
70	272.
75	222.
80	167.
85	90.
90	16.
95	20.
100	71.
105	81.
110	76.
115	66.
120	55.
125	44.
130	33.
135	23.
140	14.
145	5.
150	2.
155	0.
160	0.
165	0.
170	0.
175	0.
180	0.



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

LUMEN SUMMARY

NVLAP LAB CODE 200921-0

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	506.	NA.	20.5	90-120	173.	NA.	7.0
0- 40	846.	NA.	34.3	90-130	213.	NA.	8.6
0- 60	1583.	NA.	64.1	90-150	234.	NA.	9.5
0- 90	2235.	NA.	90.5	90-180	234.	NA.	9.5
TOTAL LUMINAIRE =				0-180	2469.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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\*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE

VERT	0
ANGLE	
45	928.
55	957.
65	1012.
75	1105.
85	1159.

\*\*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	.91	.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	.79	.67	.58	.51	.76	.65	.57	.50	.61	.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	.39	.48	.43	.38	.38	.38	.38	.36
6	.66	.52	.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	.27	.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

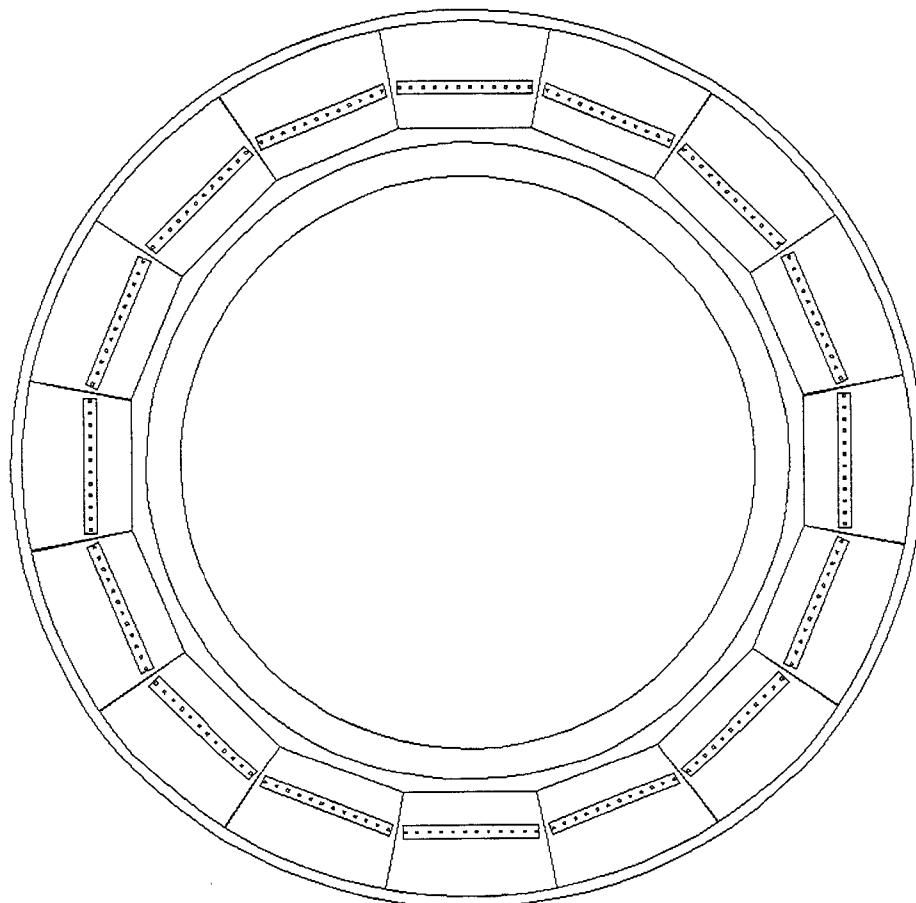
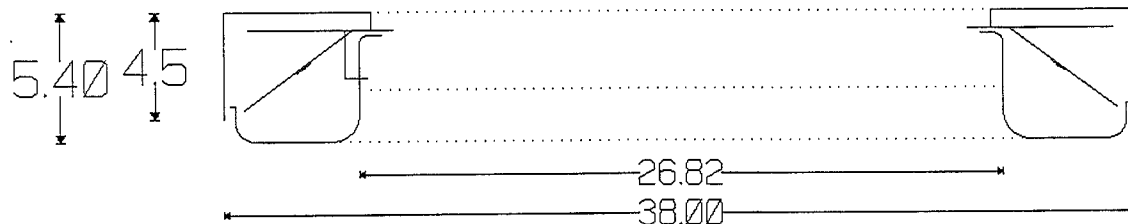
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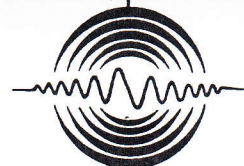
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ELECTRICAL CHARACTERISTICS 120.0V .2845A 33.428W

LUMINOUS EFFICACY (LUMENS / WATTS) = 73.9

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



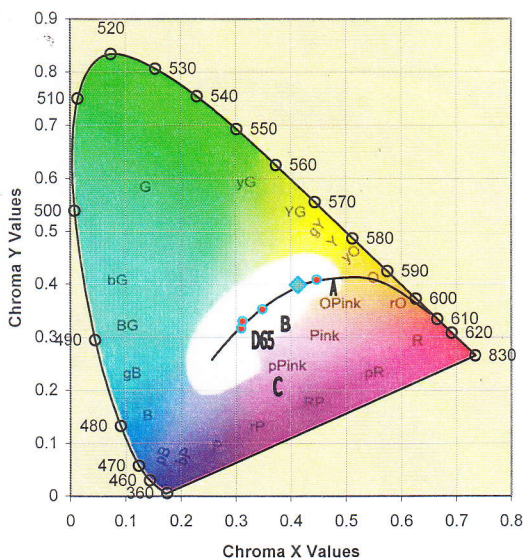


BALLABS CERTIFIED TEST REPORT NO.: 19169.0 A DATE 11/23/15  
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CATALOG NBR: P6338-35LO  
LAMP TYPE : M350C835D12N06STC

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.2845
INPUT WATTS (W)	33.428
POWER FACTOR	0.9791
THDv (%)	0.1323%
THDi (%)	15.7270%
LUMINOUS EFFICACY-LPW	73.9
LUMINOUS FLUX- LUMENS	2469
CHROMA x	0.4131
CHROMA y	0.3978
CHROMA u	0.2379
CHROMA v	0.3436
DELTA uv (Duv)	0.001
CORR COLOR TEMP (K)	3389
COLOR REND INDEX (RA)	84.43
COLOR REND INDEX (R9)	20.8

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2039	610	44.0436
360	0.2321	620	41.9493
370	0.2121	630	38.5701
380	0.1845	640	34.2295
390	0.1942	650	29.2304
400	0.1939	660	24.1225
410	0.3178	670	19.3347
420	1.0468	680	15.3975
430	4.0964	690	12.0589
440	13.0059	700	9.2999
450	31.8745	710	7.0294
460	21.7988	720	5.2554
470	15.0982	730	3.8466
480	12.1911	740	2.8615
490	15.0166	750	2.1416
500	18.9642	760	1.6069
510	22.1430	770	1.2061
520	24.5673	780	0.8954
530	27.1749	790	0.6502
540	30.2129	800	0.4884
550	33.5007	810	0.3675
560	36.7539	820	0.2973
570	39.5904	830	0.2244
580	42.0567	840	0.1615
590	43.9051	850	0.1317
600	44.7212		

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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