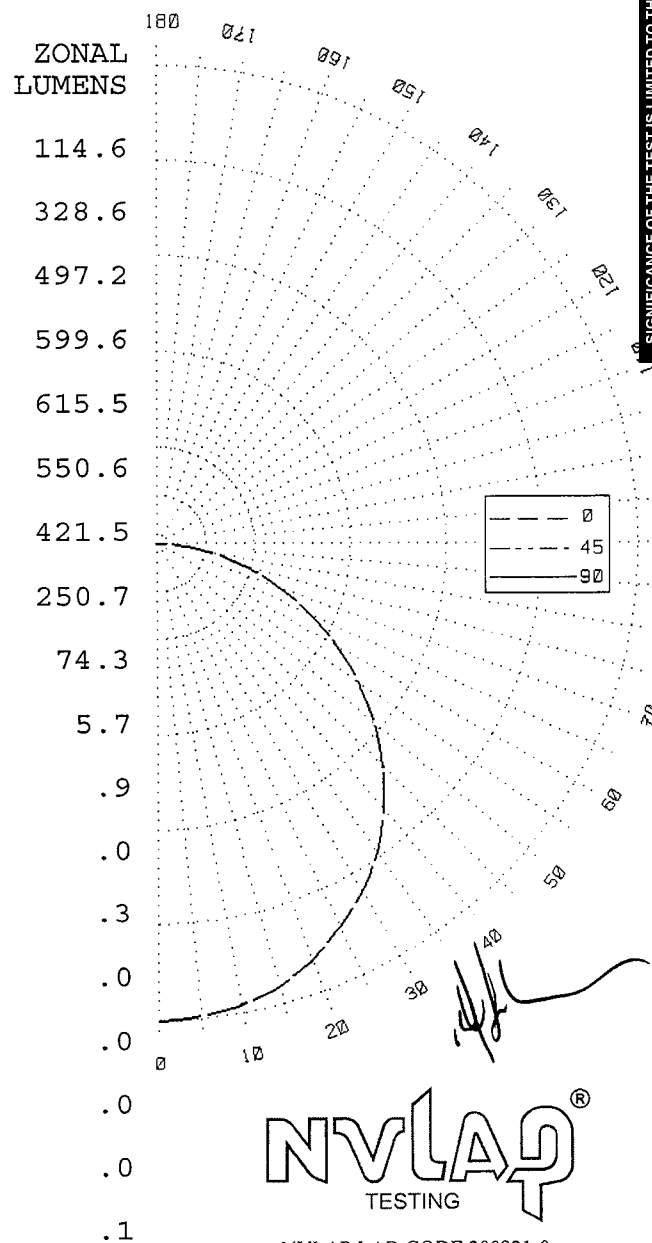


BALLABS CERTIFIED TEST REPORT NO.: 20153.0 DATE 12/13/17
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
DESCRIPTION: 8-24 LED 6"ARRAYS 18"DIA WAF.R PENDANT LUMINAIRE
WHITE REFL w/WHITE ACRYLIC DIFFUSER
ROAL STRATO #RSLD035-11A
CATALOG NBR: P5518-40HI
LAMP TYPE : LM-700-06-40K

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	1207.
5	1200.
10	1186.
15	1159.
20	1123.
25	1074.
30	1021.
35	954.
40	878.
45	795.
50	707.
55	614.
60	519.
65	425.
70	327.
75	237.
80	145.
85	68.
90	23.
95	5.
100	3.
105	1.
110	0.
115	0.
120	0.
125	0.
130	0.
135	0.
140	0.
145	0.
150	0.
155	0.
160	0.
165	0.
170	1.
175	1.
180	0.



NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	940.	NA.	27.2	90-120	7.	NA.	.2
0- 40	1540.	NA.	44.5	90-130	7.	NA.	.2
0- 60	2706.	NA.	78.2	90-150	7.	NA.	.2
0- 90	3453.	NA.	99.8	90-180	7.	NA.	.2
	TOTAL LUMINAIRE =			0-180	3460.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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CATALOG NBR: P5518-40HI
 LAMP TYPE : LM-700-06-40K

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT
 ANGLE
 45 6519.
 55 6033.
 65 5413.
 75 4490.
 85 2668.

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	1.09	1.05	1.01	.97	1.07	1.03	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85				
2	1.00	.92	.86	.80	.97	.90	.84	.79	.87	.82	.77	.83	.79	.75	.80	.77	.74	.72				
3	.92	.82	.74	.67	.89	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61				
4	.84	.72	.64	.57	.82	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53				
5	.77	.64	.55	.49	.75	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45				
6	.71	.57	.48	.42	.69	.56	.48	.42	.55	.47	.41	.53	.46	.41	.51	.45	.41	.39				
7	.65	.51	.43	.37	.63	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34				
8	.60	.46	.38	.32	.58	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29				
9	.55	.41	.33	.27	.54	.41	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25				
10	.51	.38	.29	.24	.50	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22				

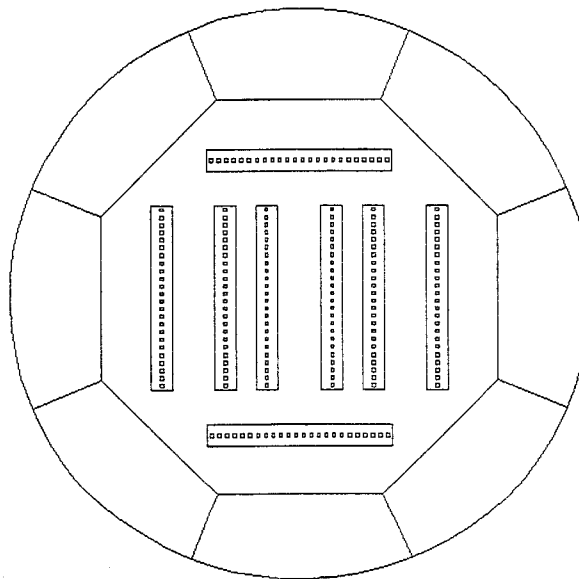
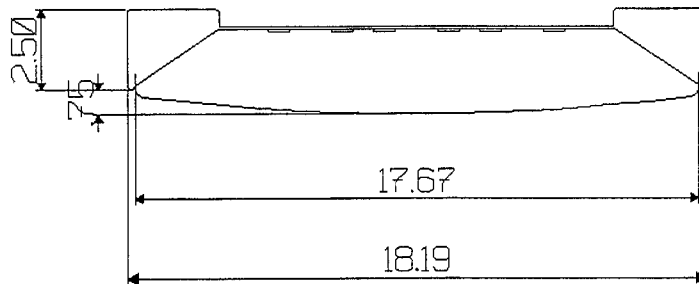
TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

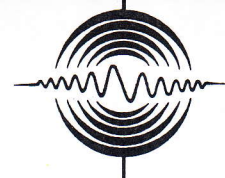
BALLABS CERTIFIED TEST REPORT NO.: 20153.0 DATE 12/13/17
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
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WHITE REFL w/WHITE ACRYLIC DIFFUSER
ROAL STRATO #RSLD035-11A
CATALOG NBR: P5518-40HI
LAMP TYPE : LM-700-06-40K

ELECTRICAL CHARACTERISTICS 120.01V .3479A 40.789W

LUMINOUS EFFICACY (LUMENS / WATTS) = 84.8

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

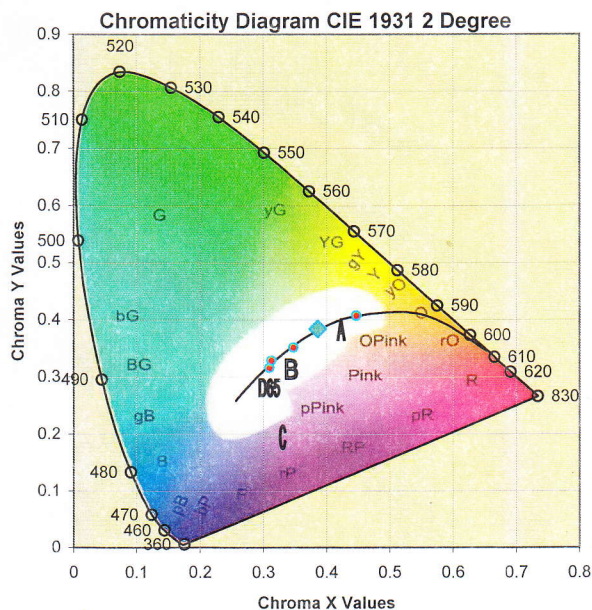




BALLABS CERTIFIED TEST REPORT NO.: 20153.0 A DATE 12/13/17
PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
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WHITE REFL w/WHITE ACRYLIC DIFFUSER
ROAL STRATO #RSLD035-11A
CATALOG NBR: P5518-40HI
LAMP TYPE : LM-700-06-40K

INPUT VOLTAGE (V)	120.01
INPUT CURRENT (A)	0.3479
INPUT WATTS (W)	40.7890
POWER FACTOR	0.9770
THD _v (%)	0.130
THD _i (%)	15.596
LUMINOUS EFFICACY-LPW	84.8
LUMINOUS FLUX- LUMENS	3460
CHROMA _x	0.3866
CHROMA _y	0.3844
CHROMA _u	0.2261
CHROMA _v	0.5058
DELTA _{uv} (Duv)	0.0018
CORR COLOR TEMP (K)	3895
COLOR REND INDEX (RA)	83.39
COLOR REND INDEX (R9)	9.1

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2893	610	57.2715
360	0.2716	620	52.3725
370	0.2820	630	46.0974
380	0.2717	640	39.0941
390	0.3048	650	32.1163
400	0.3572	660	25.4201
410	0.6937	670	19.2686
420	2.4868	680	14.6430
430	8.5097	690	11.2450
440	22.9842	700	8.4411
450	54.5543	710	6.3054
460	41.3122	720	4.6422
470	26.8142	730	3.4034
480	19.9888	740	2.5147
490	23.3012	750	1.8802
500	29.7569	760	1.4080
510	34.8819	770	1.0638
520	38.4558	780	0.7858
530	41.2708	790	0.5950
540	44.3940	800	0.4453
550	47.8808	810	0.3419
560	51.5102	820	0.2639
570	54.8207	830	0.2170
580	58.1336	840	0.1682
590	60.1863	850	0.1412
600	60.1412		



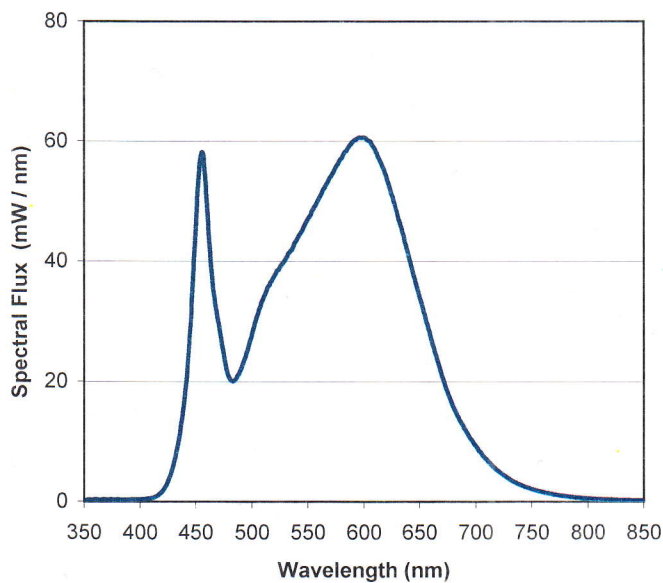
Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0



Kelly C. Lerbs
Vice President



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