



# Report of Test LLI-17350-3

Architectural Lighting Works - Recessed linear luminaire. Product ID: SP4-2FT-40K-FU-XI020-440mA  
White extruded aluminum housing with white interior and flat white plastic lens.  
48 LEDs mounted in single row on one white PCB with white reflectors.  
One Philips Advance LED driver. Model: XI020C056V054BST2 set to 440ma  
Operating at 120 VAC and 60 Hz.



## Performance Summary

Total Light Output	2014 lm	Power Factor	0.99
Luminaire Power	18.4 W	THD(i)*	5.4 %
Luminous Efficacy	109.5 lm/W	SC along*, across*	1.24 , 1.22
		SC Diagonal*	1.36
		0-60° Zonal Flux %	79.5 %

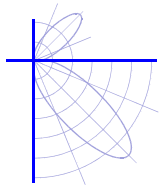
**PREPARED FOR : Architectural Lighting Works, Oakland, CA 94606**



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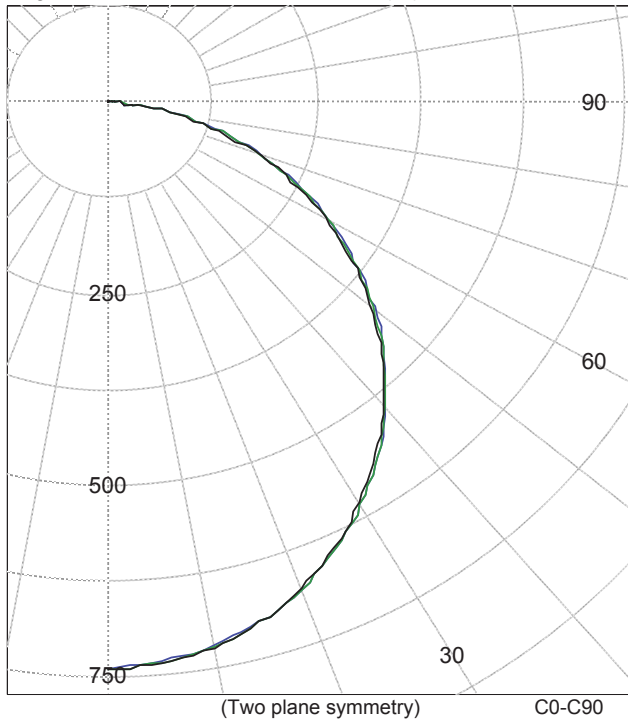




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Legend: C0-Black, C45-Green, C90-Blue (cd)



### INTENSITY SUMMARY (cd)


Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	739	739	739	739	739	70
5.0	736	736	735	733	733	
10.0	723	724	723	721	721	
15.0	703	704	703	702	702	198
20.0	676	677	677	676	677	297
25.0	643	644	644	644	645	
30.0	604	605	607	606	608	
35.0	561	563	564	564	565	352
40.0	515	516	518	518	519	361
45.0	465	466	468	469	470	
50.0	413	414	416	417	418	
55.0	358	359	361	362	363	322
60.0	301	303	305	306	306	243
65.0	244	245	246	248	248	
70.0	185	186	187	188	189	
75.0	128	128	129	130	130	137
80.0	74	75	75	75	75	34
85.0	28	28	28	28	28	
90.0	0	0	0	0	0	

### ZONAL FLUX AND PERCENTAGES


Zone	Flux (lm)	% Lamp	% Luminaire
0-30	565	N / A	28.0
0-40	917	N / A	45.5
0-60	1600	N / A	79.5
0-90	2014	N / A	100.0
40-90	1097	N / A	54.5
60-90	414	N / A	20.5
90-180	0	N / A	0.0
0-180	2014	N / A	100.0

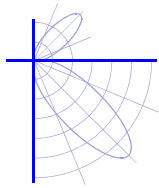
Total Light Output = 2,014 lm

Signed:

  
Ryder Tunney  
Authorized Signatory

Date of test 2-Jan-2018  
Date of report 3-Jan-2018

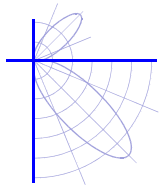
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Intensity data (cd)					
Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	739	739	739	739	739
2.5	739	739	738	736	736
5.0	736	736	735	733	733
7.5	730	731	730	728	728
10.0	723	724	723	721	721
12.5	714	714	714	713	713
15.0	703	704	703	702	702
17.5	691	691	691	690	690
20.0	676	677	677	676	677
22.5	660	661	661	661	661
25.0	643	644	644	644	645
27.5	624	625	626	626	627
30.0	604	605	607	606	608
32.5	584	584	586	586	587
35.0	561	563	564	564	565
37.5	538	540	541	542	543
40.0	515	516	518	518	519
42.5	490	492	493	494	495
45.0	465	466	468	469	470
47.5	439	440	442	443	444
50.0	413	414	416	417	418
52.5	385	387	389	390	391
55.0	358	359	361	362	363
57.5	330	331	333	334	335
60.0	301	303	305	306	306
62.5	273	274	276	277	277
65.0	244	245	246	248	248
67.5	214	215	217	218	218
70.0	185	186	187	188	189
72.5	156	157	158	159	159
75.0	128	128	129	130	130
77.5	100	101	101	102	102
80.0	74	75	75	75	75
82.5	50	50	50	50	50
85.0	28	28	28	28	28
87.5	9	10	10	10	10
90.0	0	0	0	0	0



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**Test Distance** 8.0 m  
**Test Temperature** 24.8 °C

**Notes** The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2015, ANSI C82.77-10:2014.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with \* are not covered.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.