

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560022

Luminaire Tested: **SDL-PA1-20-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560022
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.6 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

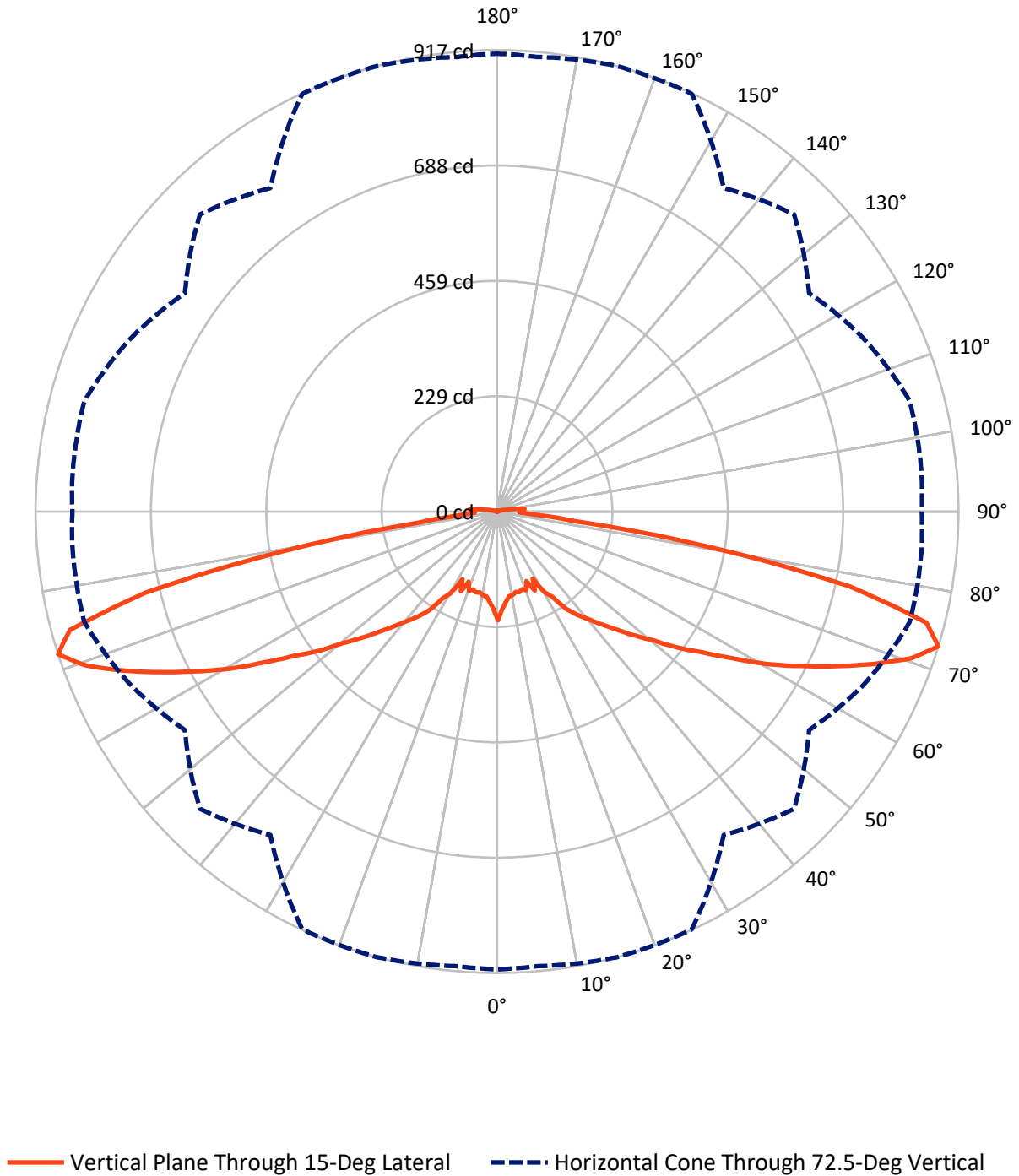
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560022

CATALOG NUMBER: SDL-PA1-20-740-U-5WQ-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560022

CATALOG NUMBER: SDL-PA1-20-740-U-5WQ-A

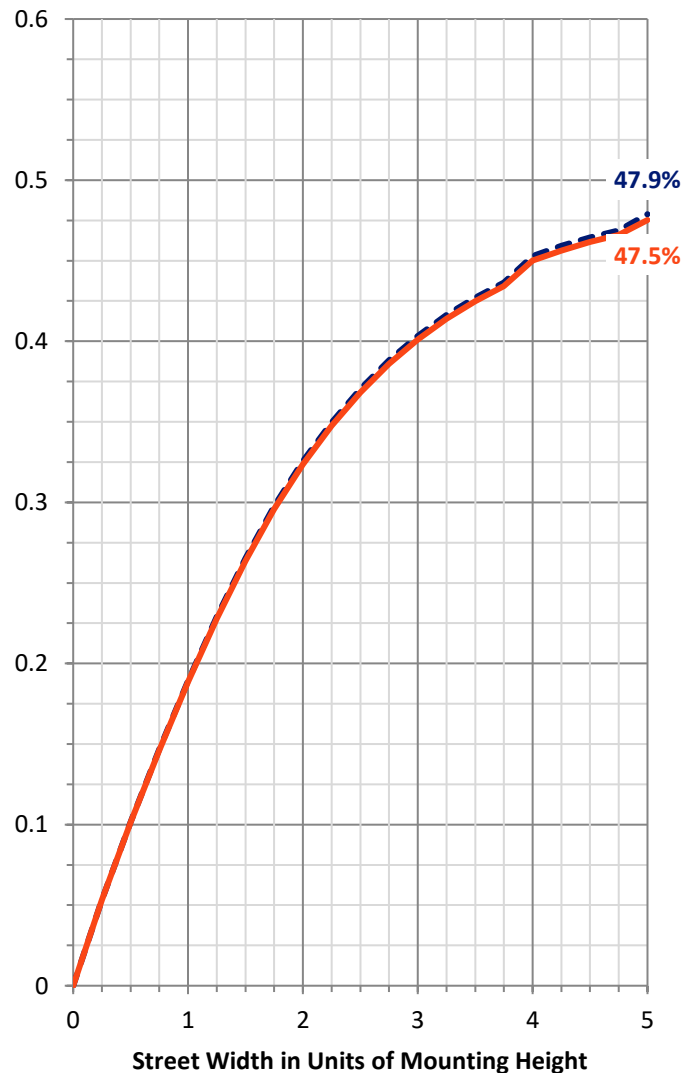
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1288.0	40.3	1328.3
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1288.0	40.3	1328.3
	% Fixture	48.5	1.5	50.0
Total	Lumens	2575.9	80.7	2656.6
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.6
10°-20°	39.2	1.5
20°-30°	68.8	2.6
30°-40°	132.9	5.0
40°-50°	230.9	8.7
50°-60°	406.9	15.3
60°-70°	687.4	25.9
70°-80°	808.1	30.4
80°-90°	184.7	7.0
90°-100°	61.0	2.3
100°-110°	14.4	0.5
110°-120°	2.3	0.1
120°-130°	1.8	0.1
130°-140°	0.8	0.0
140°-150°	0.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2575.9	97.0
0°-180°	2656.6	100.0



REPORT NUMBER: P560022

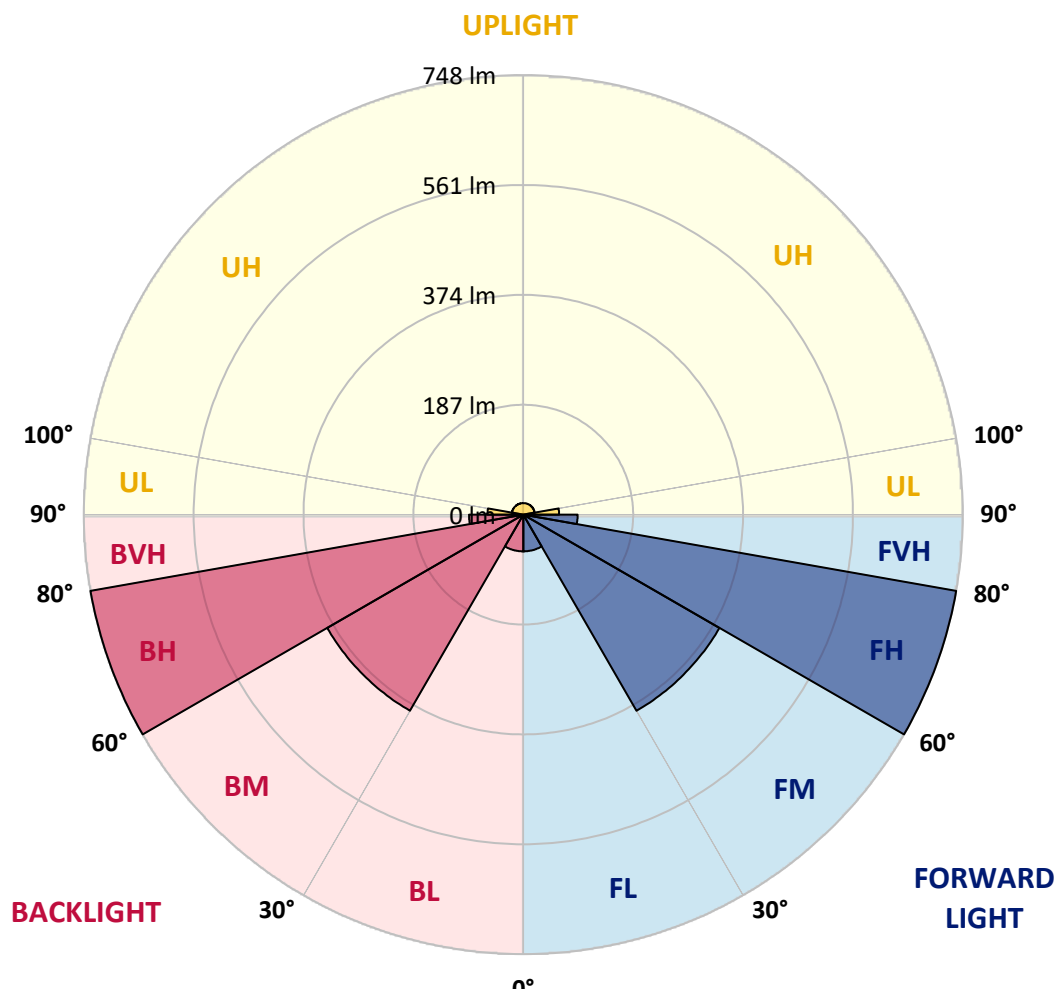
CATALOG NUMBER: SDL-PA1-20-740-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.5	2.4			
FM	(30°-60°)	385.3	14.5			
FH	(60°-80°)	747.8	28.1			G1/1800
FVH	(80°-90°)	92.4	3.5			G1/100
BL	(0°-30°)	62.5	2.4	B0/110		
BM	(30°-60°)	385.3	14.5	B1/1000		
BH	(60°-80°)	747.8	28.1	B2/1000		G1/1800
BVH	(80°-90°)	92.4	3.5			G1/100
UL	(90°-100°)	61.0	2.3		U3/500	
UH	(100°-180°)	19.7	0.7		U2/50	

BUG Rating: B2-U3-G1

Type V Short



REPORT NUMBER: P560022

CATALOG NUMBER: SDL-PA1-20-740-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	216	216	216	216	216	216	216	216	216	216	216
2.5°	191	195	194	201	207	209	213	213	214	214	214
5°	181	181	181	181	181	180	184	202	208	209	208
7.5°	157	162	170	173	176	175	173	162	179	181	182
10°	169	169	169	167	159	152	144	136	139	157	157
12.5°	150	149	164	166	151	132	126	129	120	137	137
15°	169	169	166	156	125	132	112	113	128	148	148
17.5°	144	145	162	152	136	106	124	112	115	126	127
20°	172	172	167	130	128	132	114	111	128	148	149
22.5°	148	148	150	151	132	130	114	129	121	121	135
25°	179	179	174	138	145	126	132	121	148	163	163
27.5°	157	157	151	157	140	150	132	143	159	192	194
30°	191	191	186	156	155	146	147	166	205	226	226
32.5°	232	233	202	179	157	168	160	189	214	236	237
35°	249	249	238	208	171	177	174	200	230	248	248
37.5°	269	269	261	223	188	196	182	215	248	264	262
40°	290	287	282	239	206	208	196	231	265	281	281
42.5°	316	316	307	266	224	227	209	251	290	309	310
45°	345	344	335	296	246	251	231	278	321	339	341
47.5°	379	379	368	328	274	279	256	305	359	375	377
50°	415	412	402	365	311	309	284	335	399	410	414
52.5°	457	453	449	407	352	353	320	367	445	451	453
55°	499	496	493	459	397	403	368	411	491	495	499
57.5°	546	549	549	517	448	463	420	466	546	543	542
60°	614	608	615	586	518	530	484	533	599	587	584
62.5°	669	668	676	663	583	613	547	597	649	639	640
65°	732	731	741	735	651	689	616	669	709	698	696
67.5°	793	796	808	816	706	755	682	737	768	750	752
70°	868	863	873	874	751	803	733	780	818	806	804
72.5°	910	907	917	916	785	835	757	807	849	847	844
75°	864	868	881	899	787	853	754	789	822	811	808
77.5°	678	686	717	775	734	846	701	692	699	686	678
80°	360	367	433	532	589	735	589	503	429	376	331
82.5°	115	124	155	245	372	512	341	193	133	114	107
85°	63	65	70	95	131	207	139	82	72	69	68
87.5°	53	54	44	54	63	65	63	45	46	51	50
90°	56	56	45	53	63	64	63	47	46	54	53
92.5°	61	61	51	57	70	68	68	49	51	58	58
95°	65	64	55	58	74	76	74	52	55	63	63
97.5°	48	46	40	52	70	80	74	49	43	48	47
100°	23	22	21	39	55	61	53	35	19	12	12
102.5°	5	5	14	27	32	32	29	24	12	4	4
105°	4	5	10	15	16	9	14	15	7	4	4
107.5°	4	5	4	5	5	4	5	6	3	4	4



REPORT NUMBER: P560022

CATALOG NUMBER: SDL-PA1-20-740-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5	5	2	2	2	2	2	2	2	4	5
115°	4	4	2	2	2	2	1	2	2	4	4
117.5°	4	4	2	1	1	1	1	2	2	4	5
120°	5	4	2	1	1	1	1	1	3	5	5
122.5°	5	5	2	1	1	1	1	1	3	5	6
125°	5	4	2	1	1	1	1	1	2	5	5
127.5°	4	4	2	1	1	1	1	1	2	4	5
130°	4	4	2	1	1	1	1	1	2	4	4
132.5°	3	3	2	1	1	0	1	1	2	3	3
135°	2	2	1	0	1	0	1	0	1	2	3
137.5°	1	1	1	0	0	0	0	0	0	1	1
140°	0	1	0	0	0	0	0	0	0	0	1
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	1	0	0	0	0	0	0
147.5°	0	1	0	1	1	1	0	0	0	0	1
150°	1	1	2	1	1	0	1	1	0	0	1
152.5°	2	2	2	1	0	0	1	1	1	1	1
155°	1	1	1	0	0	0	0	1	1	2	2
157.5°	0	0	0	0	0	0	0	0	0	1	1
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



Report Generated By 670245982





--- HS --- SS



u



110°	5	5	2	2	2	2	2	2	2	4	5
------	---	---	---	---	---	---	---	---	---	---	---

(END OF REPORT)