

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: P560176

Luminaire Tested: **SDL-PA1-30-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA 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: 3338.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

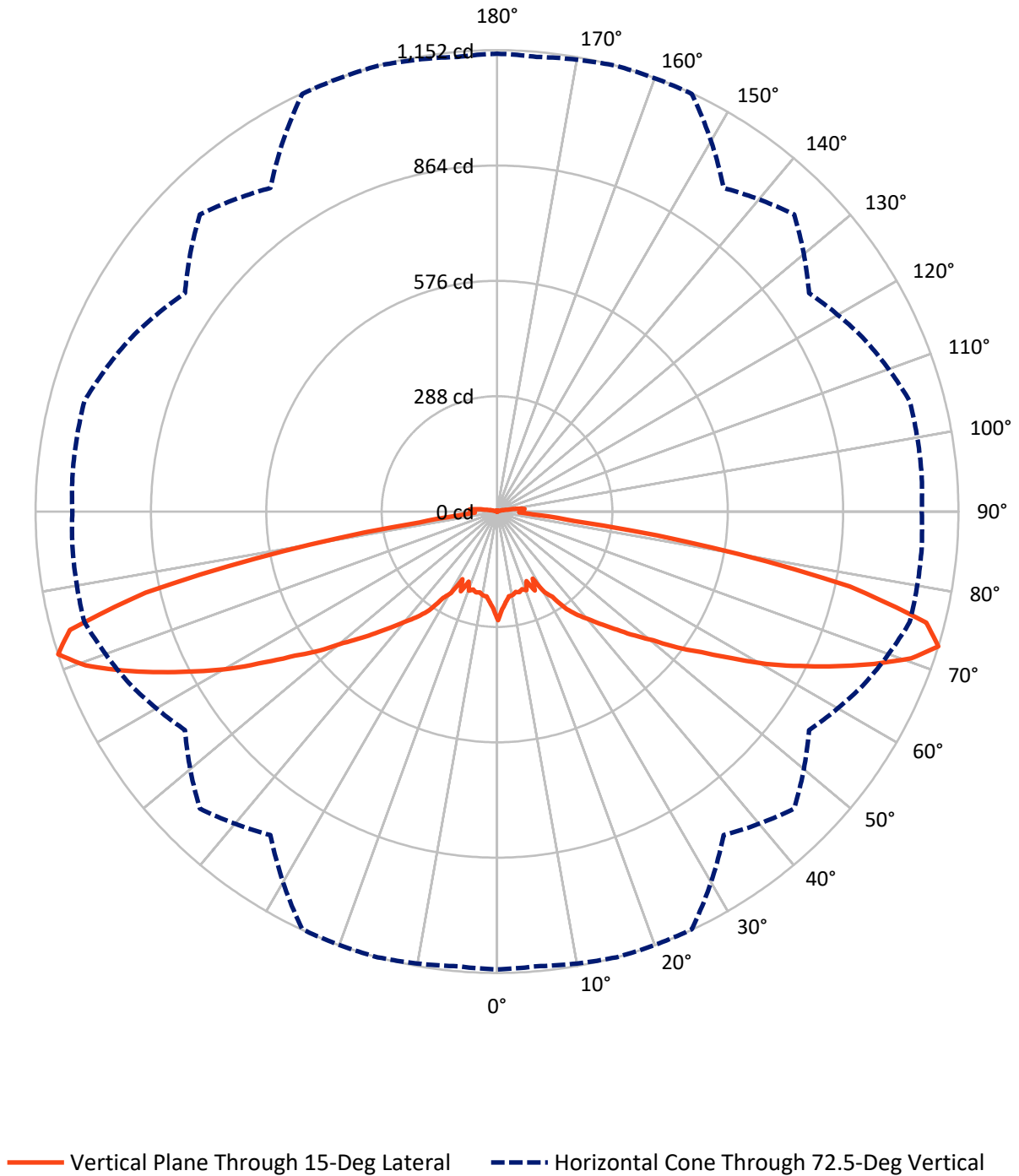
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560176

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560176

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ-A

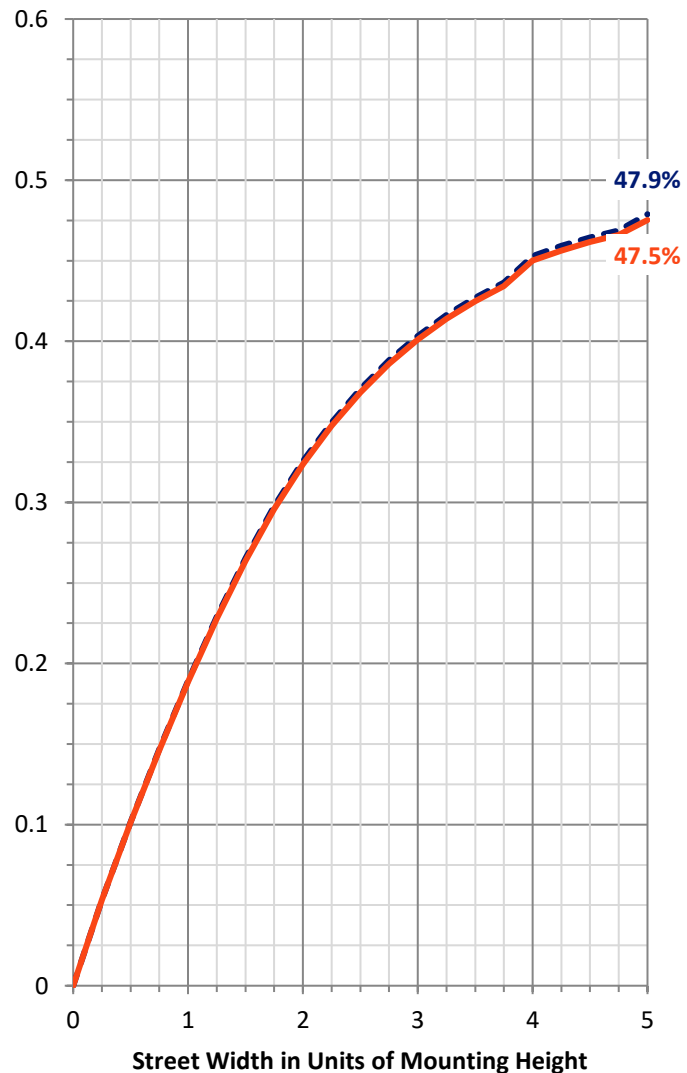
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1618.6	50.7	1669.3
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1618.6	50.7	1669.3
	% Fixture	48.5	1.5	50.0
Total	Lumens	3237.2	101.4	3338.6
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.6
10°-20°	49.2	1.5
20°-30°	86.5	2.6
30°-40°	167.0	5.0
40°-50°	290.2	8.7
50°-60°	511.3	15.3
60°-70°	863.9	25.9
70°-80°	1015.6	30.4
80°-90°	232.1	7.0
90°-100°	76.6	2.3
100°-110°	18.1	0.5
110°-120°	2.9	0.1
120°-130°	2.3	0.1
130°-140°	1.0	0.0
140°-150°	0.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3237.2	97.0
0°-180°	3338.6	100.0



REPORT NUMBER: P560176

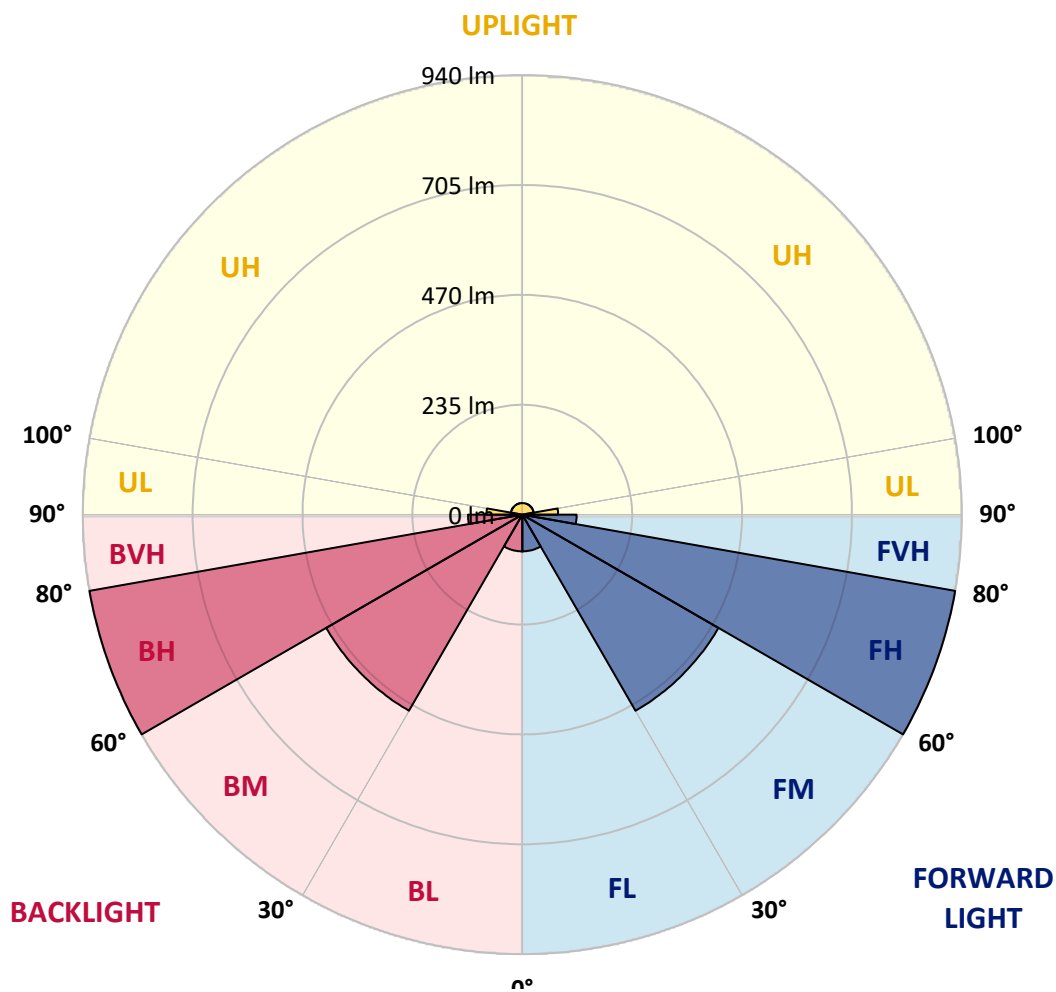
CATALOG NUMBER: SDL-PA1-30-730-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.6	2.4			
FM	(30°-60°)	484.2	14.5			
FH	(60°-80°)	939.7	28.1			G1/1800
FVH	(80°-90°)	116.1	3.5			G2/225
BL	(0°-30°)	78.6	2.4	B0/110		
BM	(30°-60°)	484.2	14.5	B1/1000		
BH	(60°-80°)	939.7	28.1	B2/1000		G1/1800
BVH	(80°-90°)	116.1	3.5			G2/225
UL	(90°-100°)	76.6	2.3		U3/500	
UH	(100°-180°)	24.8	0.7		U2/50	

BUG Rating: B2-U3-G2

Type V Short





REPORT NUMBER: P560176

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4
2.5°	240.0	245.1	243.8	252.6	260.1	262.6	267.7	267.7	268.9	268.9	268.9
5°	227.5	227.5	227.5	227.5	227.5	226.2	231.2	253.9	261.4	262.6	261.4
7.5°	197.3	203.6	213.6	217.4	221.2	219.9	217.4	203.6	224.9	227.5	228.7
10°	212.4	212.4	212.4	209.9	199.8	191.0	181.0	170.9	174.7	197.3	197.3
12.5°	188.5	187.2	206.1	208.6	189.8	165.9	158.3	162.1	150.8	172.2	172.2
15°	212.4	212.4	208.6	196.0	157.1	165.9	140.8	142.0	160.9	186.0	186.0
17.5°	181.0	182.2	203.6	191.0	170.9	133.2	155.8	140.8	144.5	158.3	159.6
20°	216.2	216.2	209.9	163.4	160.9	165.9	143.3	139.5	160.9	186.0	187.2
22.5°	186.0	186.0	188.5	189.8	165.9	163.4	143.3	162.1	152.1	152.1	169.7
25°	224.9	224.9	218.7	173.4	182.2	158.3	165.9	152.1	186.0	204.8	204.8
27.5°	197.3	197.3	189.8	197.3	175.9	188.5	165.9	179.7	199.8	241.3	243.8
30°	240.0	240.0	233.7	196.0	194.8	183.5	184.7	208.6	257.6	284.0	284.0
32.5°	291.6	292.8	253.9	224.9	197.3	211.1	201.1	237.5	268.9	296.6	297.8
35°	312.9	312.9	299.1	261.4	214.9	222.4	218.7	251.3	289.0	311.7	311.7
37.5°	338.1	338.1	328.0	280.2	236.3	246.3	228.7	270.2	311.7	331.8	329.3
40°	364.4	360.7	354.4	300.4	258.9	261.4	246.3	290.3	333.0	353.1	353.1
42.5°	397.1	397.1	385.8	334.3	281.5	285.3	262.6	315.4	364.4	388.3	389.6
45°	433.6	432.3	421.0	372.0	309.1	315.4	290.3	349.4	403.4	426.0	428.5
47.5°	476.3	476.3	462.5	412.2	344.3	350.6	321.7	383.3	451.2	471.3	473.8
50°	521.5	517.8	505.2	458.7	390.8	388.3	356.9	421.0	501.4	515.2	520.3
52.5°	574.3	569.3	564.3	511.5	442.4	443.6	402.1	461.2	559.2	566.8	569.3
55°	627.1	623.3	619.6	576.8	498.9	506.4	462.5	516.5	617.0	622.1	627.1
57.5°	686.2	689.9	689.9	649.7	563.0	581.9	527.8	585.6	686.2	682.4	681.1
60°	771.6	764.1	772.9	736.4	651.0	666.0	608.2	669.8	752.8	737.7	733.9
62.5°	840.7	839.5	849.5	833.2	732.7	770.4	687.4	750.2	815.6	803.0	804.3
65°	919.9	918.6	931.2	923.7	818.1	865.9	774.1	840.7	891.0	877.2	874.7
67.5°	996.6	1000.3	1015.4	1025.5	887.2	948.8	857.1	926.2	965.1	942.5	945.0
70°	1090.8	1084.5	1097.1	1098.4	943.8	1009.1	921.2	980.2	1028.0	1012.9	1010.4
72.5°	1143.6	1139.8	1152.4	1151.1	986.5	1049.3	951.3	1014.2	1066.9	1064.4	1060.7
75°	1085.8	1090.8	1107.2	1129.8	989.0	1072.0	947.5	991.5	1033.0	1019.2	1015.4
77.5°	852.0	862.1	901.1	973.9	922.4	1063.2	880.9	869.6	878.4	862.1	852.0
80°	452.4	461.2	544.1	668.6	740.2	923.7	740.2	632.1	539.1	472.5	416.0
82.5°	144.5	155.8	194.8	307.9	467.5	643.4	428.5	242.5	167.1	143.3	134.5
85°	79.2	81.7	88.0	119.4	164.6	260.1	174.7	103.0	90.5	86.7	85.5
87.5°	66.6	67.9	55.3	67.9	79.2	81.7	79.2	56.6	57.8	64.1	62.8
90°	70.4	70.4	56.6	66.6	79.2	80.4	79.2	59.1	57.8	67.9	66.6
92.5°	76.7	76.7	64.1	71.6	88.0	85.5	85.5	61.6	64.1	72.9	72.9
95°	81.7	80.4	69.1	72.9	93.0	95.5	93.0	65.3	69.1	79.2	79.2
97.5°	60.3	57.8	50.3	65.3	88.0	100.5	93.0	61.6	54.0	60.3	59.1
100°	28.9	27.6	26.4	49.0	69.1	76.7	66.6	44.0	23.9	15.1	15.1
102.5°	6.3	6.3	17.6	33.9	40.2	40.2	36.4	30.2	15.1	5.0	5.0
105°	5.0	6.3	12.6	18.9	20.1	11.3	17.6	18.9	8.8	5.0	5.0
107.5°	5.0	6.3	5.0	6.3	6.3	5.0	6.3	7.5	3.8	5.0	5.0



REPORT NUMBER: P560176

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.3	6.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	6.3
115°	5.0	5.0	2.5	2.5	2.5	2.5	1.3	2.5	2.5	5.0	5.0
117.5°	5.0	5.0	2.5	1.3	1.3	1.3	1.3	2.5	2.5	5.0	6.3
120°	6.3	5.0	2.5	1.3	1.3	1.3	1.3	1.3	3.8	6.3	6.3
122.5°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	1.3	3.8	6.3	7.5
125°	6.3	5.0	2.5	1.3	1.3	1.3	1.3	1.3	2.5	6.3	6.3
127.5°	5.0	5.0	2.5	1.3	1.3	1.3	1.3	1.3	2.5	5.0	6.3
130°	5.0	5.0	2.5	1.3	1.3	1.3	1.3	1.3	2.5	5.0	5.0
132.5°	3.8	3.8	2.5	1.3	1.3	0.0	1.3	1.3	2.5	3.8	3.8
135°	2.5	2.5	1.3	0.0	1.3	0.0	1.3	0.0	1.3	2.5	3.8
137.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
140°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.3	0.0	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3
150°	1.3	1.3	2.5	1.3	1.3	0.0	1.3	1.3	0.0	0.0	1.3
152.5°	2.5	2.5	2.5	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u



110°	6.3	6.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	6.3
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)