

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: P525263

Luminaire Tested: **IFLD-L-SA7C-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525263
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

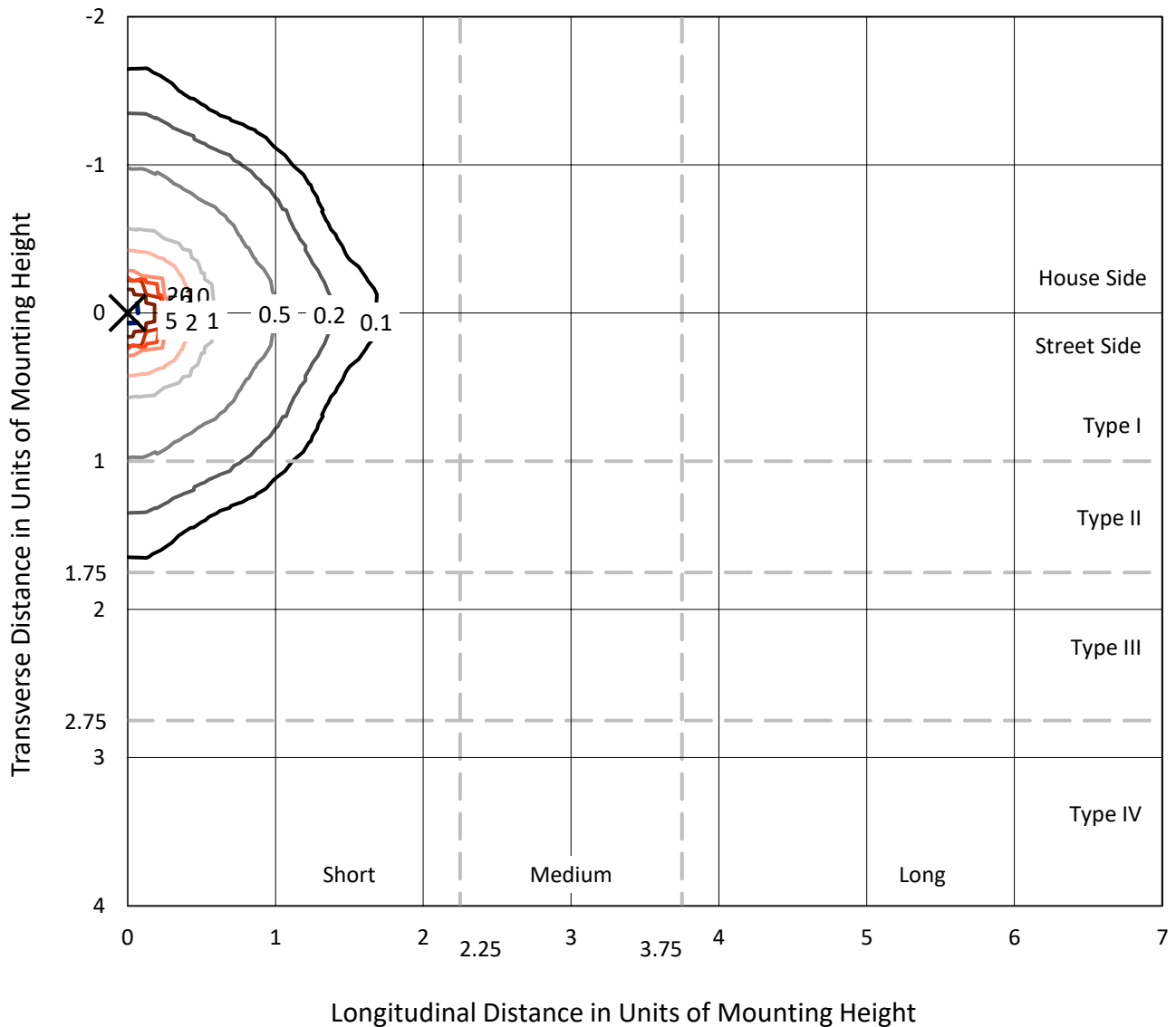
Lumens per Lamp: N/A
Luminaire Lumens: 16195.1 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 369
Input Voltage (V): 120
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

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Iso-Footcandle Lines of Horizontal Illumination

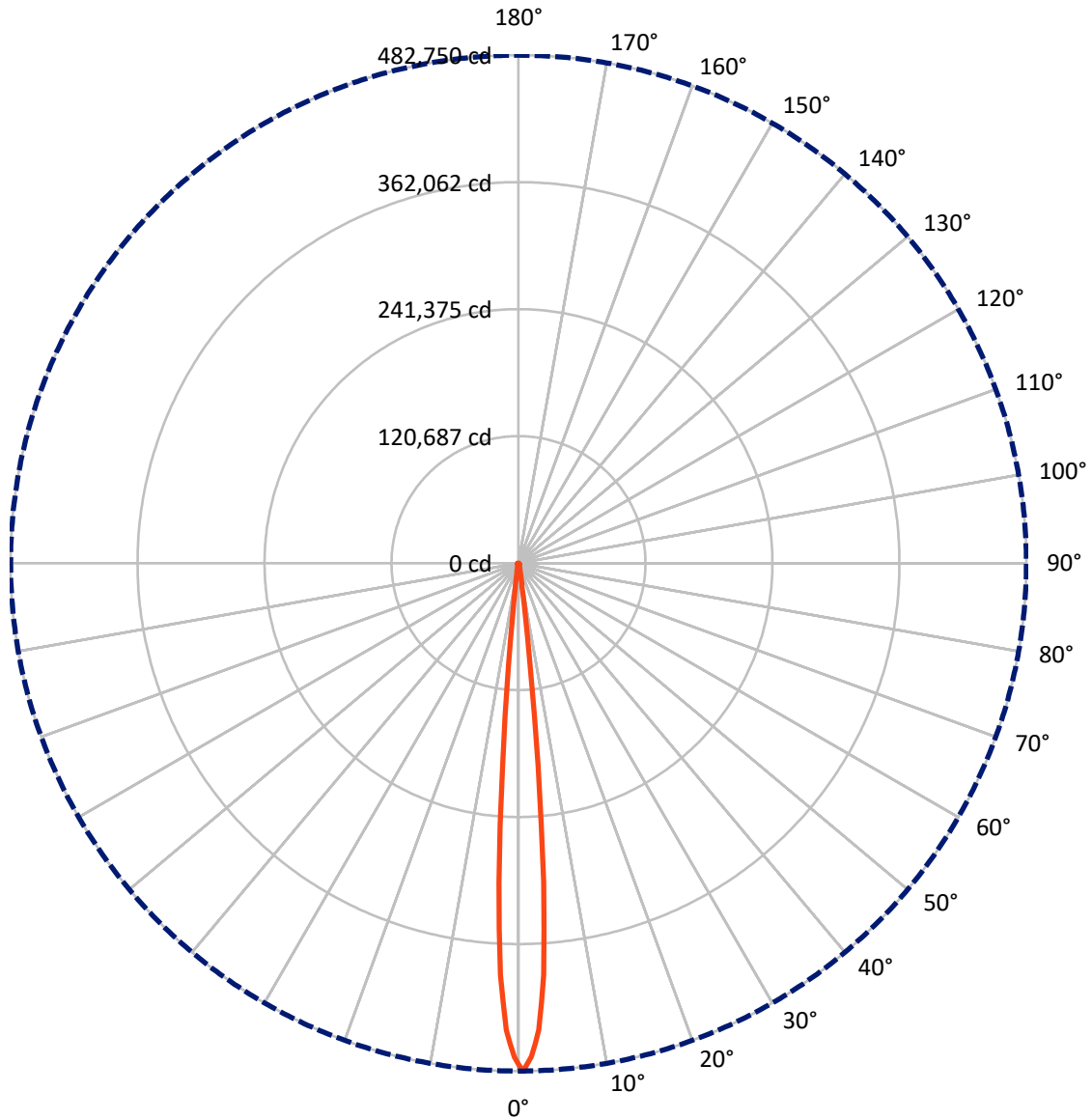
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 772.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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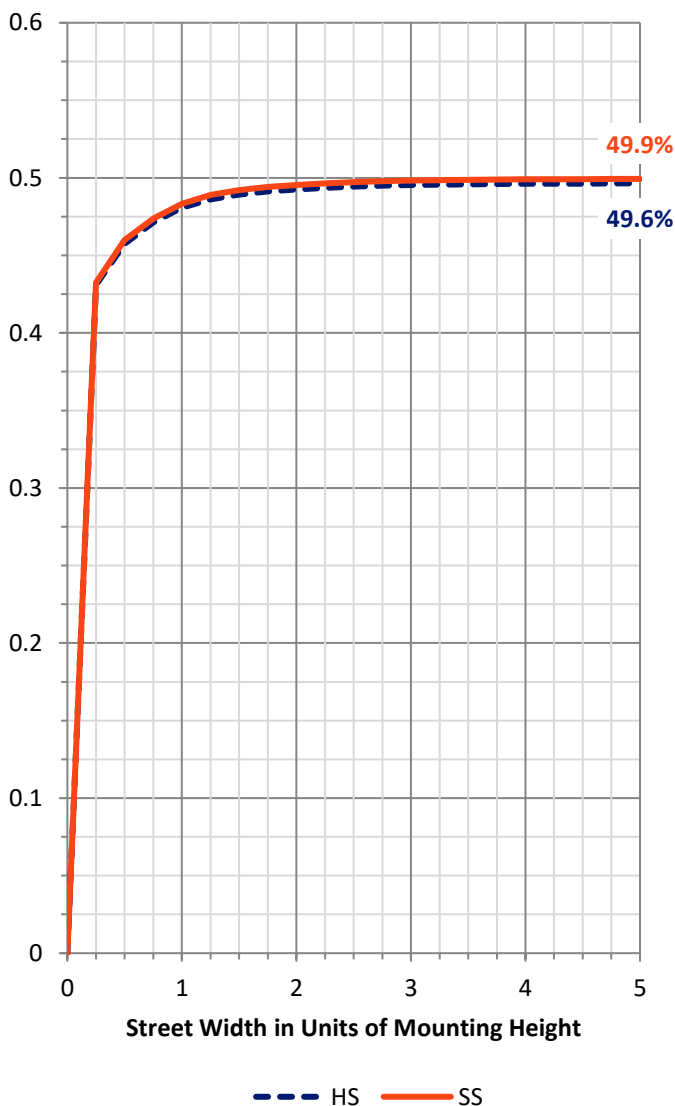
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8097.6	0.0	8097.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8097.6	0.0	8097.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16195.1	0.0	16195.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12437.8	76.8
10°-20°	1213.1	7.5
20°-30°	648.1	4.0
30°-40°	534.5	3.3
40°-50°	595.2	3.7
50°-60°	400.2	2.5
60°-70°	255.4	1.6
70°-80°	100.8	0.6
80°-90°	9.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16195.1	100.0
0°-180°	16195.1	100.0

Coefficient of Utilization

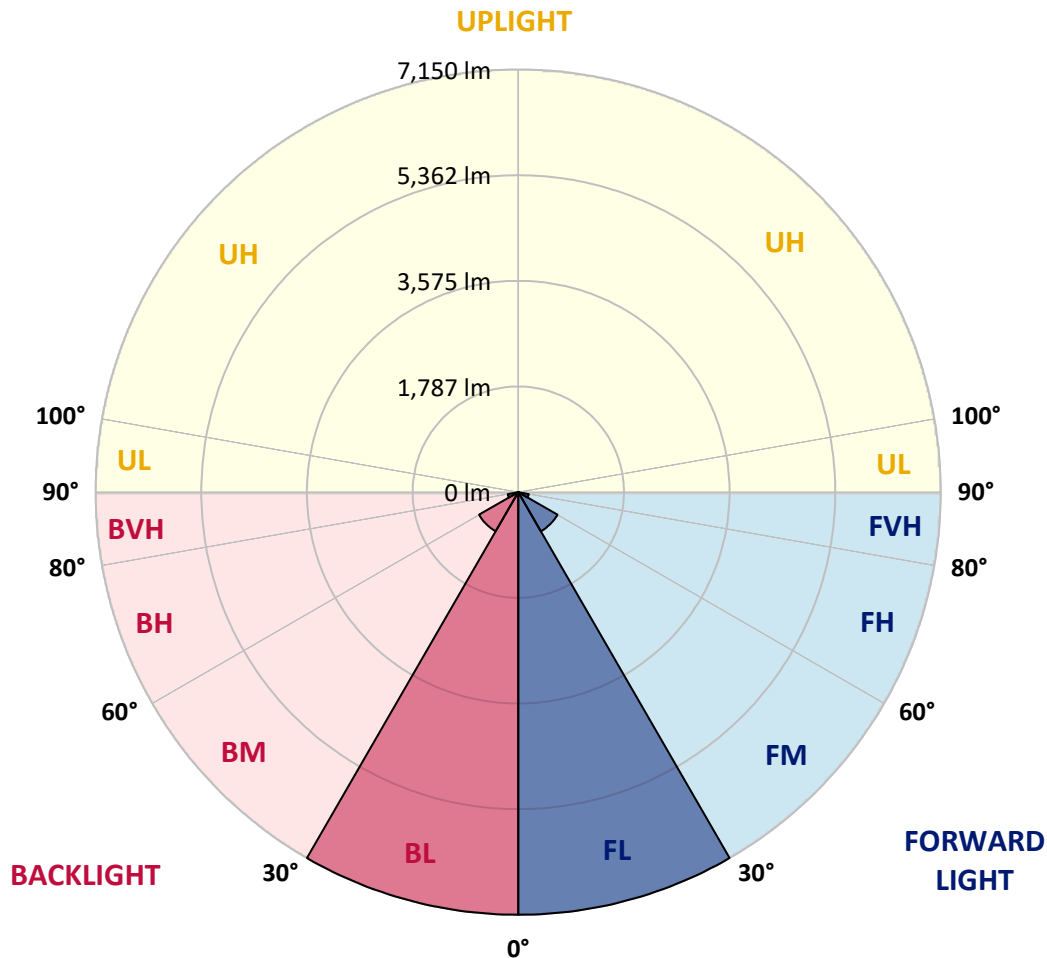


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7149.5	44.1			
FM (30°-60°)	765.0	4.7			
FH (60°-80°)	178.1	1.1			G0/660
FVH (80°-90°)	4.9	0.0			G0/10
BL (0°-30°)	7149.5	44.1	B5		
BM (30°-60°)	765.0	4.7	B1/1000		
BH (60°-80°)	178.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	482749.6	482749.6	482749.6	482749.6	482749.6	482749.6	482749.6	482749.6	482749.6	482749.6
1°	469332.6	470148.8	470296.1	469324.2	466846.1	467431.0	467355.2	467485.6	467241.6	465693.4
2°	443920.8	445128.3	443857.7	441131.4	435485.2	434138.9	429641.3	424622.1	419278.8	413923.0
3°	392049.4	394590.6	392777.3	395688.7	384236.6	383079.6	373621.6	361151.3	348512.7	338272.2
4°	303970.4	308665.7	309288.4	318897.8	309490.4	312431.2	301627.0	284301.5	265394.0	250929.5
5°	193757.0	200303.5	203997.5	213009.4	217342.9	228626.8	223363.5	205974.9	184126.6	167486.9
6°	97898.8	101462.3	111387.2	121295.3	132360.4	147334.1	149362.0	134098.0	116709.4	100738.7
7°	45636.2	47108.7	54109.6	56221.6	68872.9	85117.1	87389.0	79020.8	69849.0	57471.2
8°	23581.7	24153.9	26711.9	28281.2	35660.7	45005.1	46599.6	41332.1	37579.3	31352.5
9°	14523.5	14775.9	15735.2	16088.6	18848.5	23005.3	23569.1	21364.5	20346.3	18196.4
10°	10072.2	10206.8	10657.0	10749.6	11670.9	13038.3	13088.8	12365.1	12382.0	11843.4
12.5°	5368.5	5410.5	5536.8	5549.4	5726.1	5869.1	5835.5	5839.7	5911.2	5839.7
15°	3433.1	3454.2	3529.9	3546.7	3639.3	3689.8	3664.5	3660.3	3685.6	3639.3
17.5°	2448.6	2461.2	2515.9	2562.2	2621.1	2638.0	2629.5	2621.1	2621.1	2579.1
20°	1910.1	1926.9	1964.8	2011.1	2040.5	2070.0	2074.2	2070.0	2057.4	2036.3
22.5°	1624.0	1632.4	1645.0	1666.1	1687.1	1699.7	1708.1	1712.4	1708.1	1699.7
25°	1413.6	1422.1	1447.3	1459.9	1459.9	1464.1	1481.0	1489.4	1493.6	1476.7
27.5°	1043.4	1064.4	1102.3	1123.3	1123.3	1131.8	1144.4	1161.2	1178.0	1148.6
30°	807.8	824.6	866.7	866.7	862.5	870.9	883.5	908.8	934.0	900.4
32.5°	727.9	727.9	736.3	740.5	740.5	753.1	761.5	782.6	803.6	795.2
35°	761.5	740.5	715.2	715.2	723.6	748.9	753.1	774.1	795.2	824.6
37.5°	1106.5	1043.4	950.8	934.0	934.0	963.5	950.8	963.5	1001.3	1110.7
40°	1005.5	955.0	900.4	824.6	824.6	866.7	837.2	854.1	942.4	1009.7
42.5°	896.1	896.1	837.2	765.7	765.7	786.8	778.3	786.8	887.7	942.4
45°	828.8	828.8	812.0	698.4	715.2	727.9	727.9	727.9	862.5	879.3
47.5°	791.0	791.0	748.9	643.7	664.7	669.0	677.4	669.0	774.1	833.0
50°	706.8	715.2	643.7	568.0	593.2	593.2	605.8	589.0	669.0	765.7
52.5°	610.1	618.5	509.1	450.2	479.6	475.4	492.2	467.0	530.1	664.7
55°	542.7	538.5	420.7	366.0	399.7	395.5	403.9	374.4	429.1	572.2
57.5°	471.2	479.6	345.0	298.7	336.6	328.2	340.8	307.1	353.4	509.1
60°	416.5	429.1	294.5	252.4	290.3	281.9	294.5	256.6	302.9	458.6
62.5°	399.7	399.7	260.9	214.6	252.4	244.0	252.4	214.6	269.3	420.7
65°	475.4	450.2	235.6	176.7	214.6	206.2	214.6	176.7	235.6	403.9
67.5°	631.1	601.6	223.0	138.8	172.5	159.9	172.5	143.0	206.2	378.7
70°	328.2	349.2	223.0	109.4	130.4	130.4	126.2	109.4	172.5	277.7
72.5°	189.3	193.5	172.5	84.1	101.0	109.4	96.8	84.1	126.2	206.2
75°	105.2	117.8	109.4	63.1	75.7	84.1	71.5	63.1	88.4	147.3
77.5°	63.1	71.5	63.1	42.1	50.5	46.3	50.5	42.1	58.9	96.8
80°	33.7	33.7	33.7	25.2	25.2	29.5	29.5	25.2	33.7	50.5
82.5°	12.6	12.6	12.6	8.4	12.6	12.6	12.6	16.8	16.8	21.0
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
482749.6
467220.6
417006.9
342155.5
254282.7
169620.0
101933.5
58969.0
32198.2
18663.4
12091.7
5919.6
3672.9
2591.7
2040.5
1703.9
1476.7
1144.4
891.9
795.2
841.5
1165.4
1072.9
946.6
875.1
820.4
757.3
647.9
563.8
496.5
446.0
416.5
403.9
374.4
273.5
201.9
130.4
71.5
42.1
21.0
4.2
4.2
0.0

OF REPORT)