

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: P524170

Luminaire Tested: **IFLD-L-SA7B-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524170
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

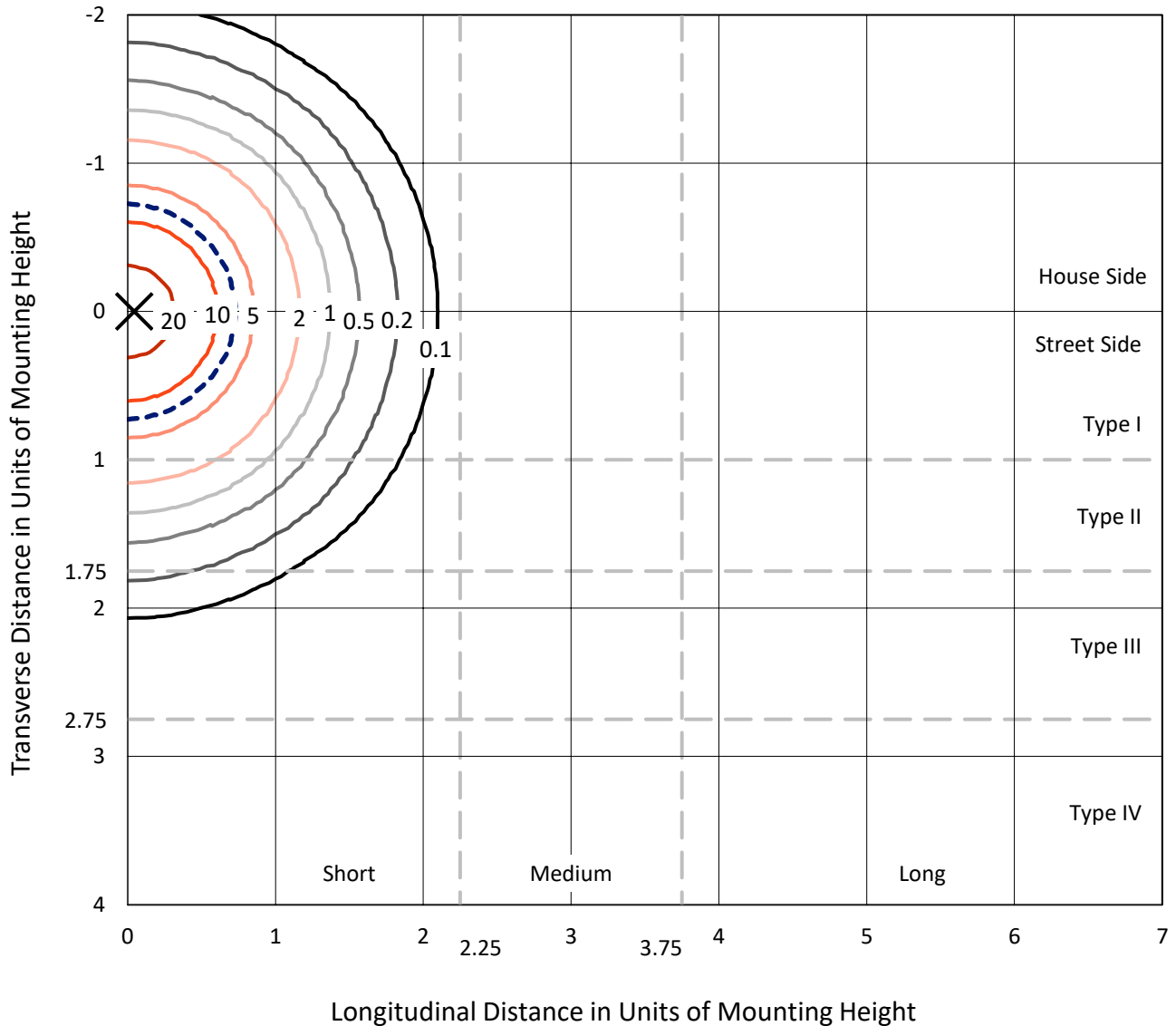
Lumens per Lamp: N/A
Luminaire Lumens: 24534.6 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

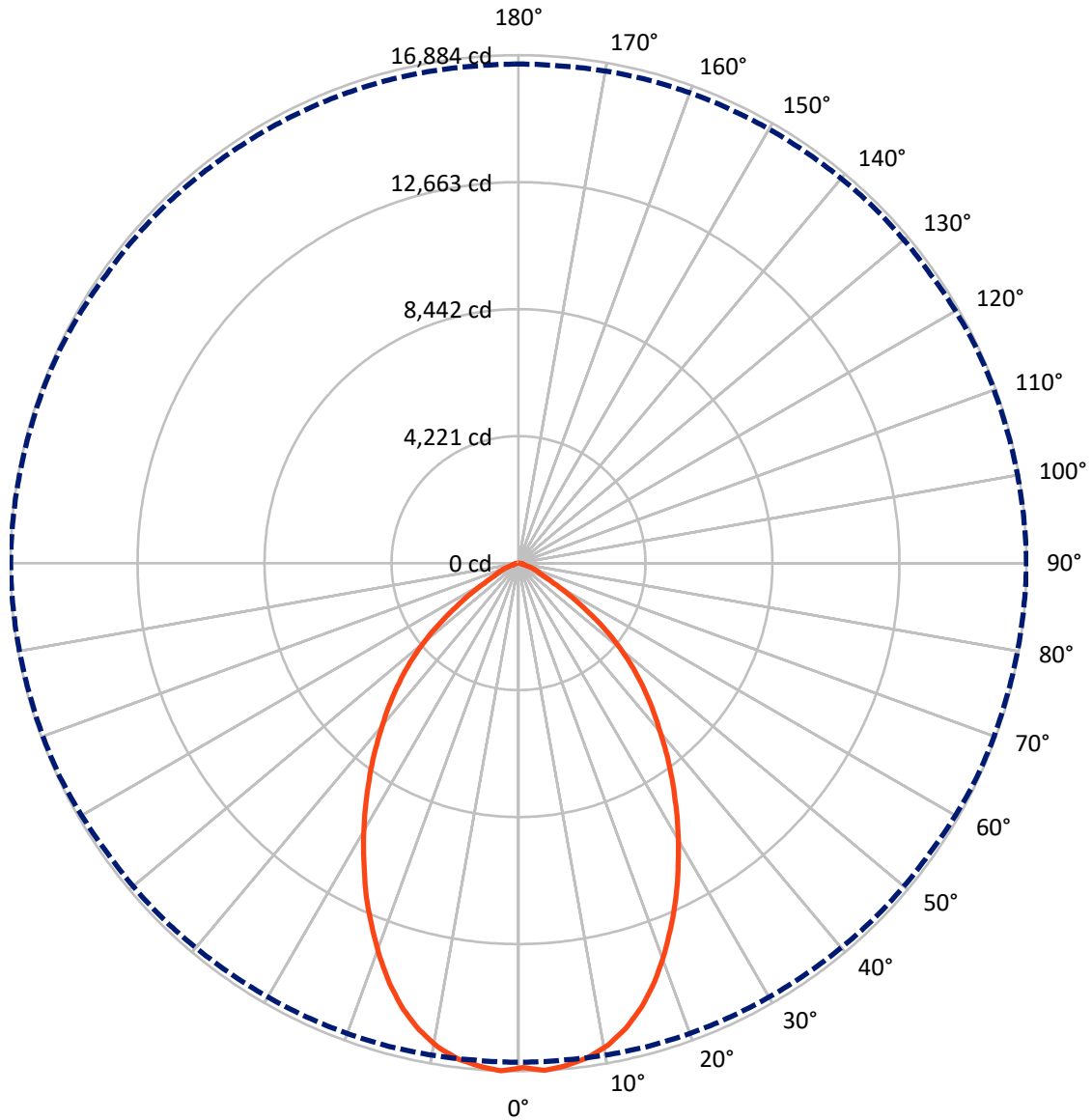
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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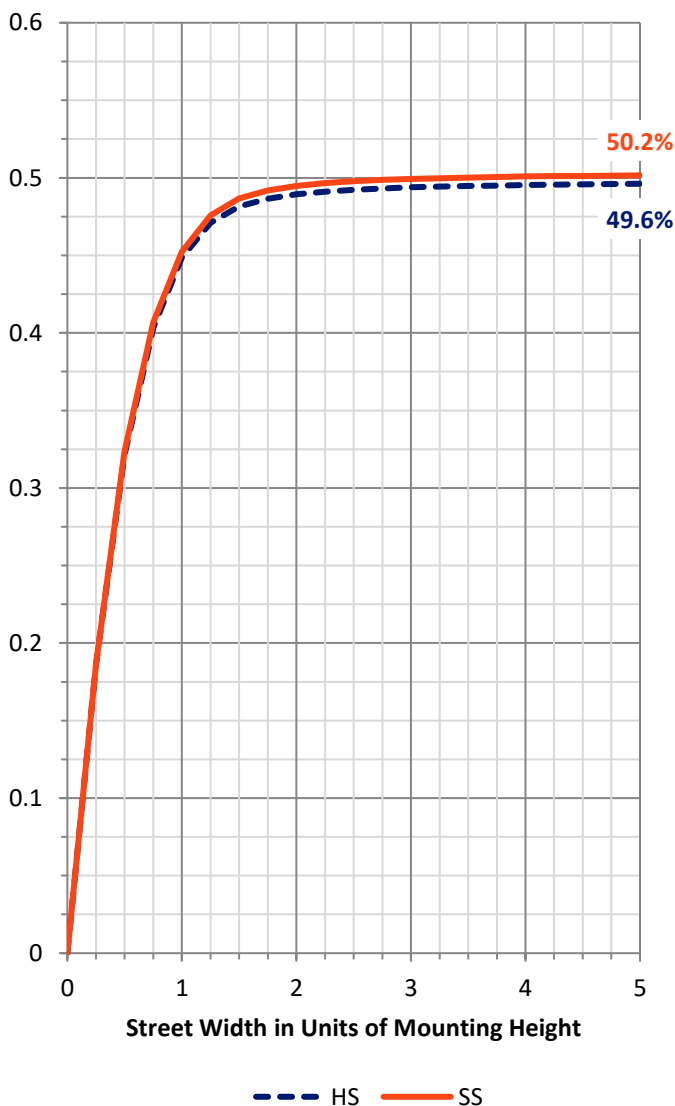
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12267.3	0.0	12267.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12267.3	0.0	12267.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24534.6	0.0	24534.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1574.3	6.4
10°-20°	4230.2	17.2
20°-30°	5473.1	22.3
30°-40°	5397.8	22.0
40°-50°	4367.0	17.8
50°-60°	2377.7	9.7
60°-70°	753.4	3.1
70°-80°	291.5	1.2
80°-90°	69.7	0.3
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°	24534.6	100.0
0°-180°	24534.6	100.0

Coefficient of Utilization



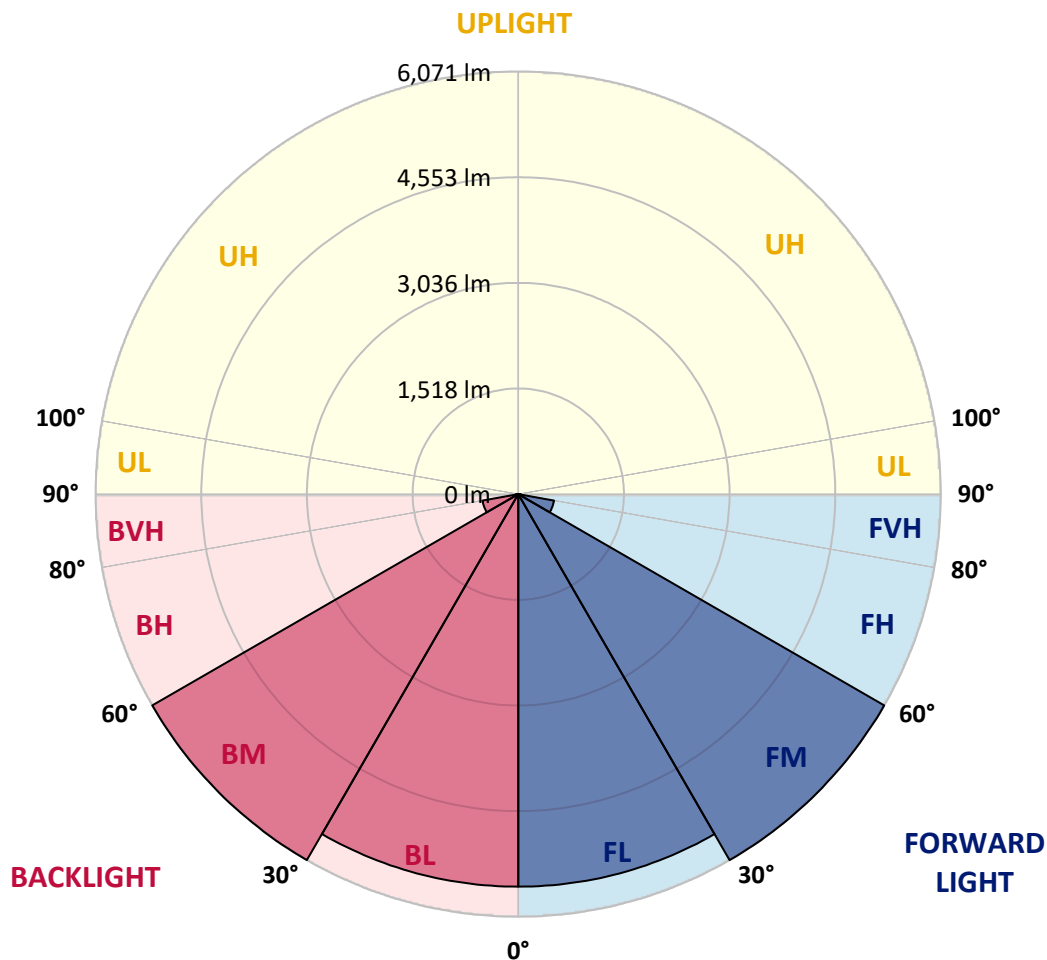
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5638.8	23.0			
FM (30°-60°)	6071.3	24.7			
FH (60°-80°)	522.4	2.1			G0/660
FVH (80°-90°)	34.8	0.1			G1/100
BL (0°-30°)	5638.8	23.0	B5		
BM (30°-60°)	6071.3	24.7	B4/8500		
BH (60°-80°)	522.4	2.1	B2/1000		G0/660
BVH (80°-90°)	34.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1	16770.1
2.5°	16589.3	16585.8	16628.3	16646.0	16667.3	16709.8	16724.0	16816.2	16826.8	16862.2	16883.5
5°	16560.9	16546.8	16589.3	16596.4	16621.2	16628.3	16649.6	16713.4	16706.3	16759.5	16770.1
7.5°	16408.5	16390.8	16426.2	16433.3	16468.8	16458.2	16493.6	16539.7	16539.7	16578.7	16596.4
10°	16068.2	16064.7	16100.1	16103.7	16153.3	16142.7	16199.4	16210.0	16238.4	16266.7	16298.6
12.5°	15660.6	15614.5	15660.6	15642.9	15710.2	15671.2	15749.2	15774.0	15788.2	15837.8	15862.6
15°	15136.0	15079.3	15111.2	15093.4	15136.0	15086.3	15167.9	15217.5	15235.2	15284.8	15309.7
17.5°	14434.1	14388.0	14395.1	14370.3	14398.7	14359.7	14437.7	14515.6	14540.5	14593.6	14629.1
20°	13551.5	13551.5	13555.0	13533.8	13558.6	13519.6	13569.2	13689.7	13714.5	13785.4	13845.7
22.5°	12690.1	12690.1	12700.7	12672.4	12679.5	12661.8	12714.9	12831.9	12870.9	12945.3	13019.8
25°	11864.2	11850.0	11857.1	11832.3	11803.9	11811.0	11874.8	11949.3	12034.3	12130.0	12186.8
27.5°	11077.3	11095.0	11052.4	11034.7	11013.5	10974.5	11048.9	11141.1	11201.3	11279.3	11307.7
30°	10237.2	10272.6	10240.7	10226.5	10173.4	10123.7	10201.7	10293.9	10354.1	10428.6	10460.5
32.5°	9489.2	9478.6	9450.2	9418.3	9365.2	9326.2	9358.1	9464.4	9510.5	9588.5	9599.1
35°	8688.1	8681.0	8663.3	8599.5	8581.8	8535.7	8564.1	8656.2	8691.7	8737.7	8773.2
37.5°	7904.7	7879.9	7872.8	7848.0	7816.1	7805.5	7805.5	7855.1	7890.6	7936.6	7972.1
40°	7128.4	7135.5	7114.3	7093.0	7082.4	7068.2	7071.7	7100.1	7128.4	7149.7	7171.0
42.5°	6426.6	6387.6	6373.4	6352.1	6362.8	6380.5	6341.5	6384.0	6419.5	6419.5	6465.6
45°	5621.9	5639.7	5646.7	5682.2	5682.2	5664.5	5650.3	5671.6	5707.0	5703.5	5749.5
47.5°	4920.1	4898.8	4916.5	4969.7	5015.8	5022.9	4980.3	4991.0	5001.6	4983.9	5026.4
50°	4150.9	4158.0	4154.4	4235.9	4328.1	4296.2	4264.3	4274.9	4271.4	4271.4	4278.5
52.5°	3314.3	3332.0	3310.8	3427.7	3527.0	3502.2	3480.9	3480.9	3498.6	3495.1	3491.6
55°	2552.2	2545.1	2499.0	2555.7	2644.4	2647.9	2616.0	2630.2	2647.9	2665.6	2662.1
57.5°	1900.0	1878.7	1814.9	1818.4	1917.7	1942.5	1914.2	1910.6	1931.9	1939.0	1978.0
60°	1279.6	1276.1	1219.4	1215.8	1254.8	1322.2	1290.3	1290.3	1297.4	1308.0	1318.6
62.5°	875.5	882.6	861.4	857.8	864.9	921.6	918.1	914.5	911.0	925.2	921.6
65°	687.7	691.2	684.1	684.1	687.7	712.5	737.3	740.8	744.4	747.9	744.4
67.5°	553.0	556.5	549.4	556.5	556.5	560.1	595.5	609.7	613.2	613.2	609.7
70°	425.4	439.5	446.6	446.6	446.6	446.6	471.4	489.2	485.6	464.4	443.1
72.5°	212.7	258.8	358.0	361.6	358.0	354.5	368.7	386.4	382.8	269.4	202.0
75°	141.8	152.4	280.0	294.2	290.7	276.5	290.7	311.9	304.8	173.7	166.6
77.5°	81.5	88.6	187.9	216.2	234.0	202.0	230.4	251.7	241.0	141.8	138.2
80°	63.8	60.3	134.7	166.6	159.5	127.6	187.9	202.0	184.3	106.3	95.7
82.5°	39.0	39.0	88.6	127.6	117.0	74.4	131.2	156.0	138.2	78.0	70.9
85°	21.3	24.8	42.5	63.8	67.3	49.6	70.9	85.1	85.1	49.6	49.6
87.5°	10.6	10.6	14.2	14.2	17.7	21.3	21.3	24.8	17.7	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)