

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: P524142

Luminaire Tested: **IFLD-S-SA2D-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524142
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

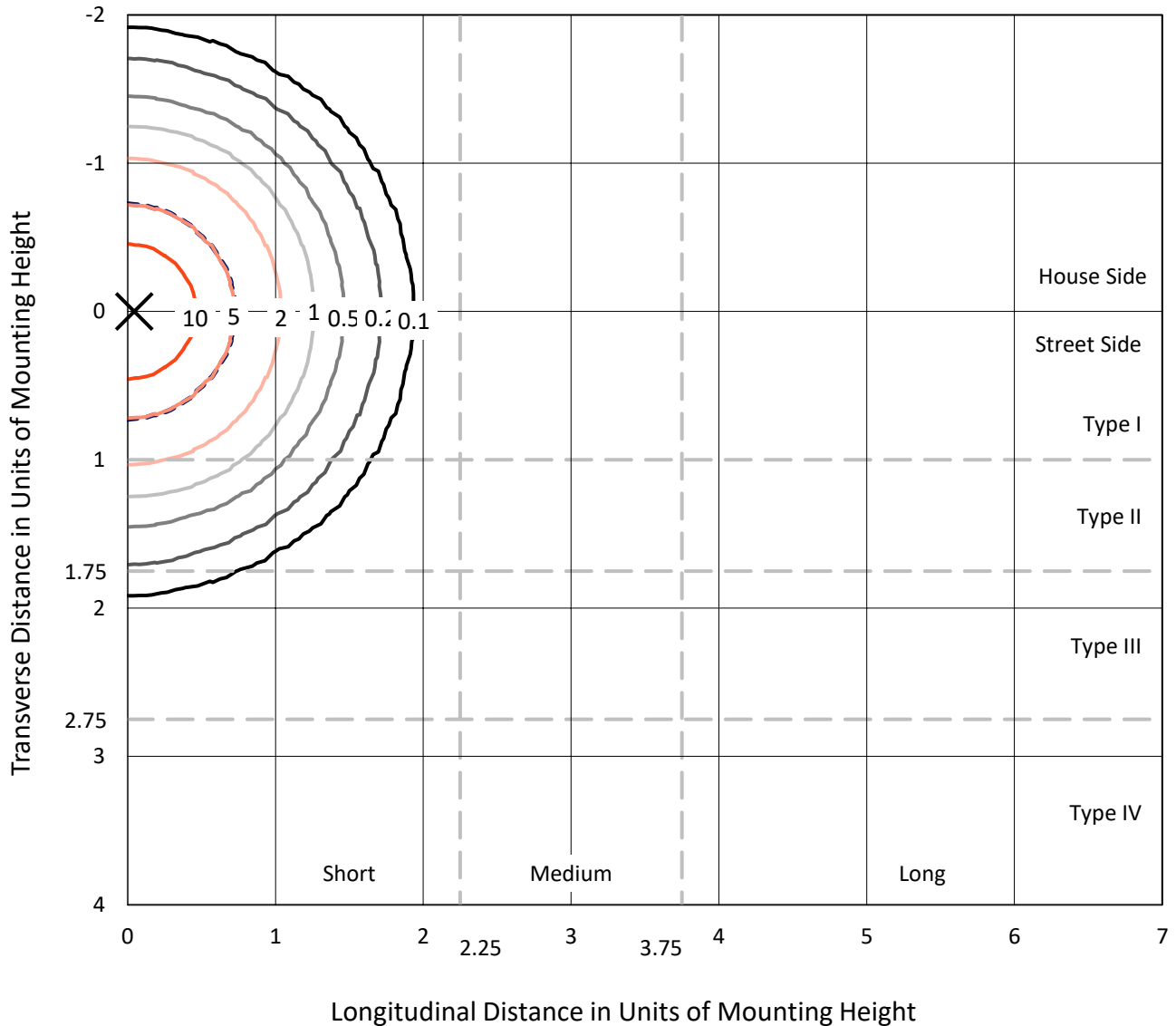
Lumens per Lamp: N/A
Luminaire Lumens: 10774.7 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 123.9
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

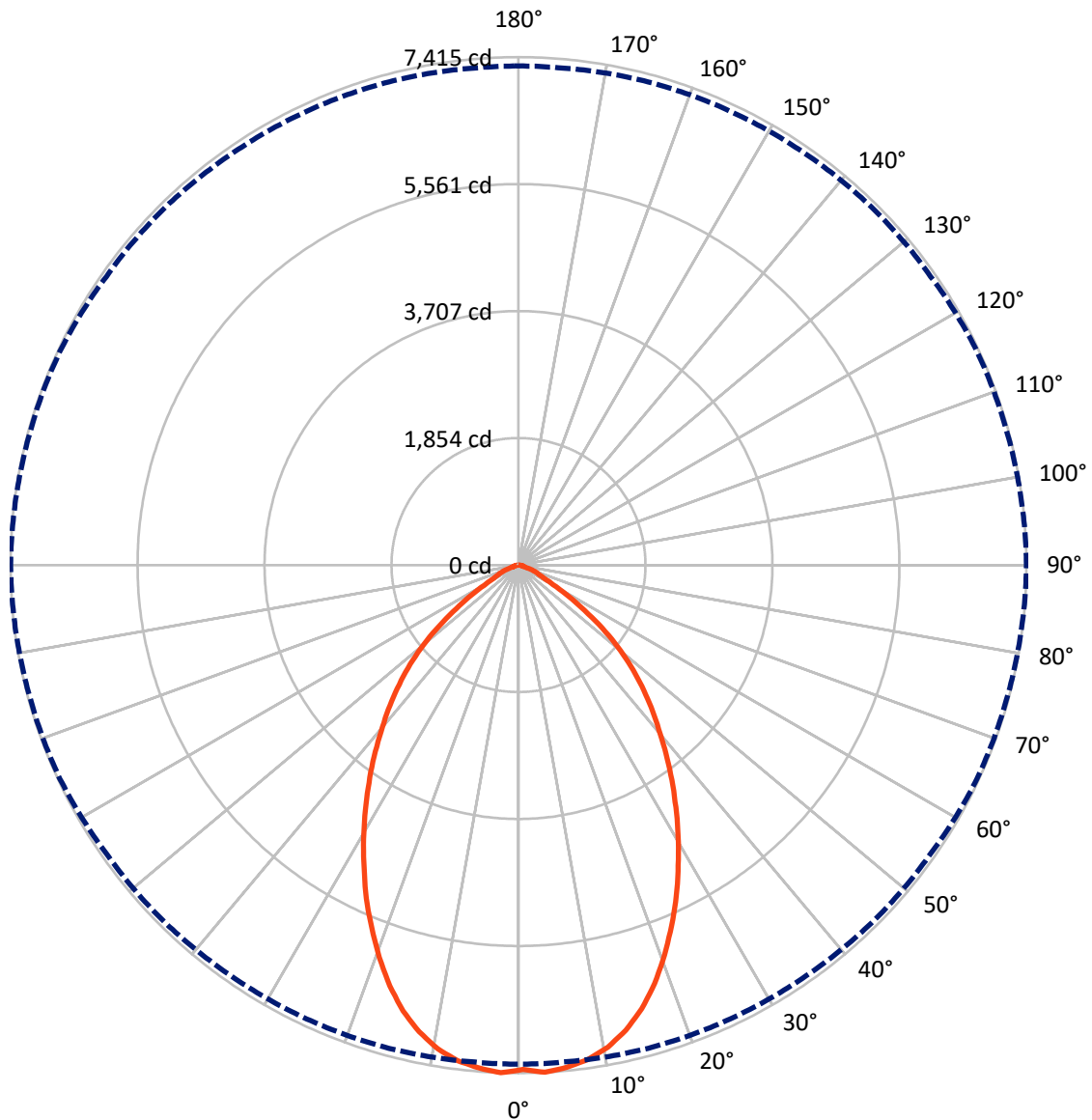
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 18.4 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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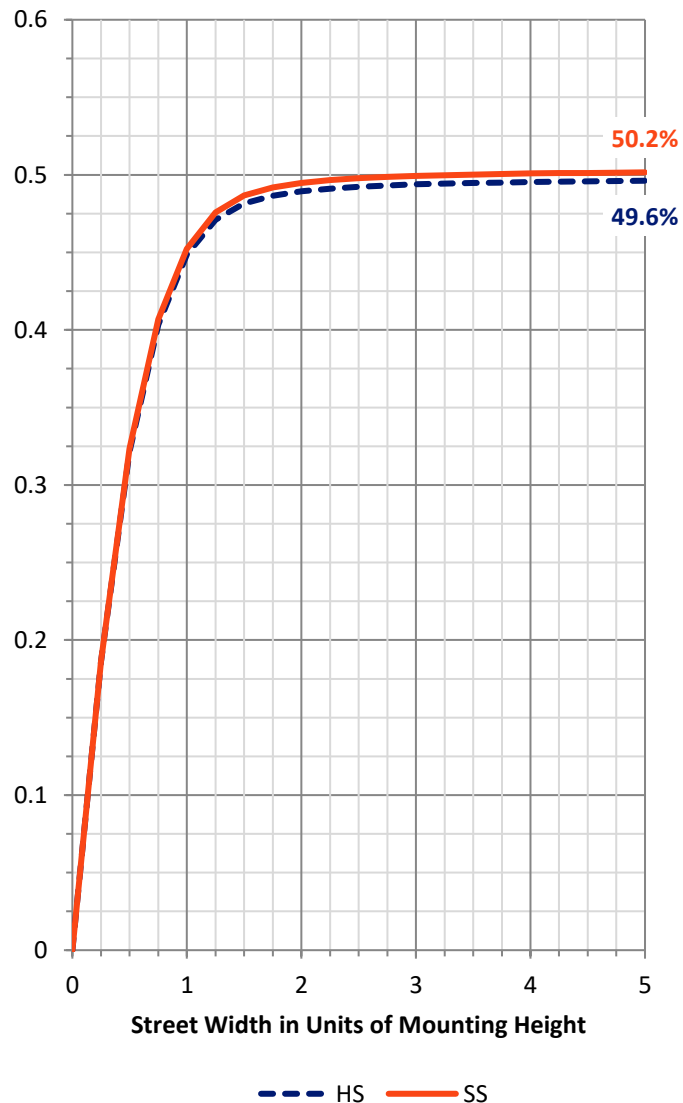
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5387.4	0.0	5387.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5387.4	0.0	5387.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10774.7	0.0	10774.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.4	6.4
10°-20°	1857.8	17.2
20°-30°	2403.6	22.3
30°-40°	2370.5	22.0
40°-50°	1917.8	17.8
50°-60°	1044.2	9.7
60°-70°	330.8	3.1
70°-80°	128.0	1.2
80°-90°	30.6	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°	10774.7	100.0
0°-180°	10774.7	100.0

Coefficient of Utilization



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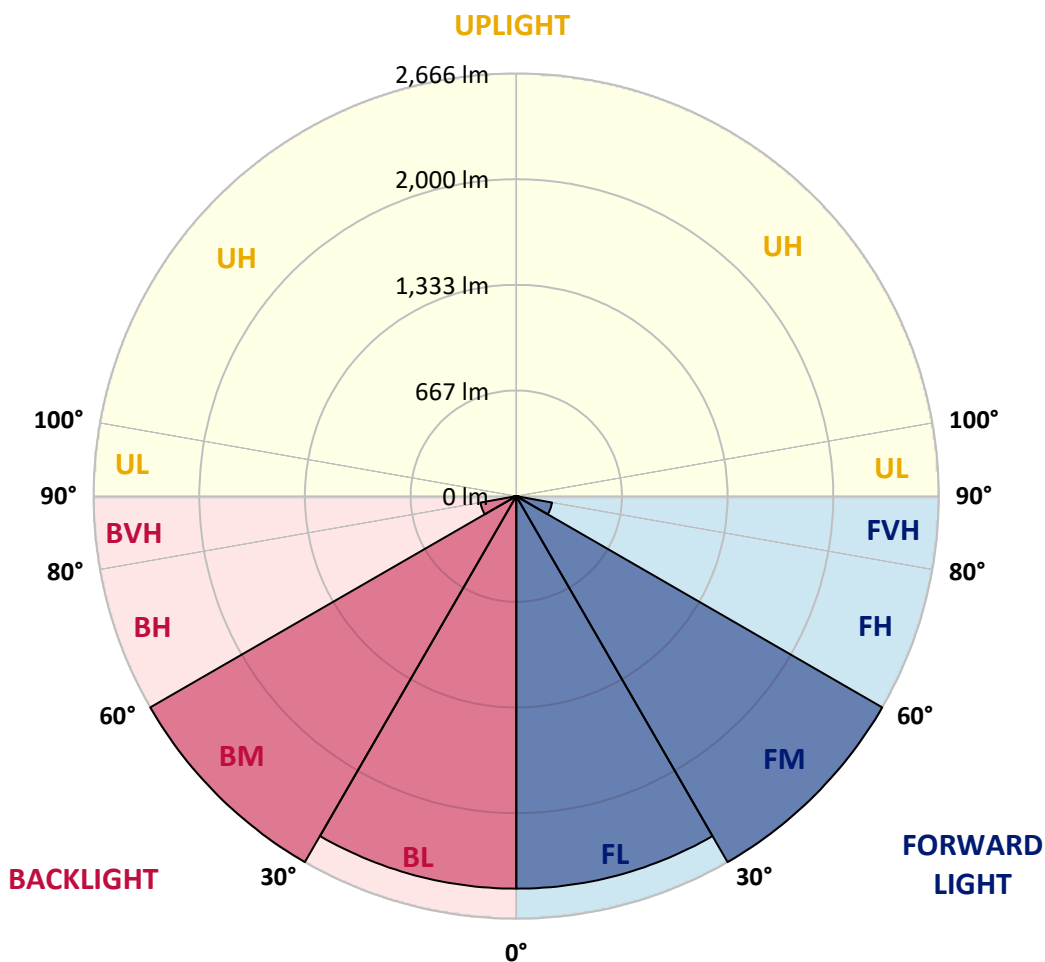
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2476.4	23.0			
FM (30°-60°)	2666.3	24.7			
FH (60°-80°)	229.4	2.1			G0/660
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	2476.4	23.0	B3/2500		
BM (30°-60°)	2666.3	24.7	B3/5000		
BH (60°-80°)	229.4	2.1	B1/500		G0/660
BVH (80°-90°)	15.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8	7364.8
2.5°	7285.4	7283.9	7302.5	7310.3	7319.7	7338.3	7344.6	7385.0	7389.7	7405.3	7414.6
5°	7273.0	7266.7	7285.4	7288.5	7299.4	7302.5	7311.9	7339.9	7336.8	7360.1	7364.8
7.5°	7206.0	7198.2	7213.8	7216.9	7232.5	7227.8	7243.4	7263.6	7263.6	7280.7	7288.5
10°	7056.6	7055.0	7070.6	7072.1	7093.9	7089.3	7114.2	7118.8	7131.3	7143.8	7157.8
12.5°	6877.6	6857.3	6877.6	6869.8	6899.4	6882.2	6916.5	6927.4	6933.6	6955.4	6966.3
15°	6647.2	6622.3	6636.3	6628.5	6647.2	6625.4	6661.2	6683.0	6690.8	6712.5	6723.4
17.5°	6338.9	6318.7	6321.8	6310.9	6323.4	6306.2	6340.5	6374.7	6385.6	6409.0	6424.6
20°	5951.3	5951.3	5952.9	5943.5	5954.4	5937.3	5959.1	6012.0	6022.9	6054.1	6080.5
22.5°	5573.0	5573.0	5577.7	5565.2	5568.4	5560.6	5583.9	5635.3	5652.4	5685.1	5717.8
25°	5210.3	5204.1	5207.2	5196.3	5183.9	5187.0	5215.0	5247.7	5285.0	5327.1	5352.0
27.5°	4864.7	4872.5	4853.8	4846.0	4836.7	4819.6	4852.3	4892.7	4919.2	4953.5	4965.9
30°	4495.8	4511.4	4497.3	4491.1	4467.8	4446.0	4480.2	4520.7	4547.2	4579.8	4593.9
32.5°	4167.3	4162.7	4150.2	4136.2	4112.8	4095.7	4109.7	4156.4	4176.7	4210.9	4215.6
35°	3815.5	3812.4	3804.6	3776.6	3768.8	3748.6	3761.0	3801.5	3817.1	3837.3	3852.9
37.5°	3471.5	3460.6	3457.5	3446.6	3432.6	3427.9	3427.9	3449.7	3465.2	3485.5	3501.0
40°	3130.5	3133.7	3124.3	3115.0	3110.3	3104.1	3105.6	3118.1	3130.5	3139.9	3149.2
42.5°	2822.3	2805.2	2799.0	2789.6	2794.3	2802.1	2785.0	2803.6	2819.2	2819.2	2839.4
45°	2468.9	2476.7	2479.8	2495.4	2495.4	2487.6	2481.4	2490.7	2506.3	2504.8	2525.0
47.5°	2160.7	2151.4	2159.2	2182.5	2202.7	2205.9	2187.2	2191.9	2196.5	2188.7	2207.4
50°	1822.9	1826.0	1824.5	1860.3	1900.7	1886.7	1872.7	1877.4	1875.8	1875.8	1879.0
52.5°	1455.5	1463.3	1454.0	1505.3	1548.9	1538.0	1528.7	1528.7	1536.5	1534.9	1533.4
55°	1120.8	1117.7	1097.5	1122.4	1161.3	1162.9	1148.9	1155.1	1162.9	1170.6	1169.1
57.5°	834.4	825.1	797.0	798.6	842.2	853.1	840.6	839.1	848.4	851.5	868.6
60°	562.0	560.4	535.5	534.0	551.1	580.7	566.6	566.6	569.8	574.4	579.1
62.5°	384.5	387.6	378.3	376.7	379.8	404.7	403.2	401.6	400.1	406.3	404.7
65°	302.0	303.6	300.4	300.4	302.0	312.9	323.8	325.4	326.9	328.5	326.9
67.5°	242.8	244.4	241.3	244.4	244.4	246.0	261.5	267.8	269.3	269.3	267.8
70°	186.8	193.0	196.1	196.1	196.1	196.1	207.0	214.8	213.3	203.9	194.6
72.5°	93.4	113.6	157.2	158.8	157.2	155.7	161.9	169.7	168.1	118.3	88.7
75°	62.3	66.9	123.0	129.2	127.7	121.4	127.7	137.0	133.9	76.3	73.2
77.5°	35.8	38.9	82.5	95.0	102.7	88.7	101.2	110.5	105.9	62.3	60.7
80°	28.0	26.5	59.2	73.2	70.1	56.0	82.5	88.7	80.9	46.7	42.0
82.5°	17.1	17.1	38.9	56.0	51.4	32.7	57.6	68.5	60.7	34.2	31.1
85°	9.3	10.9	18.7	28.0	29.6	21.8	31.1	37.4	37.4	21.8	21.8
87.5°	4.7	4.7	6.2	6.2	7.8	9.3	9.3	10.9	7.8	6.2	6.2
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)