

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: P524103

Luminaire Tested: **IFLD-S-SA2D-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524103
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

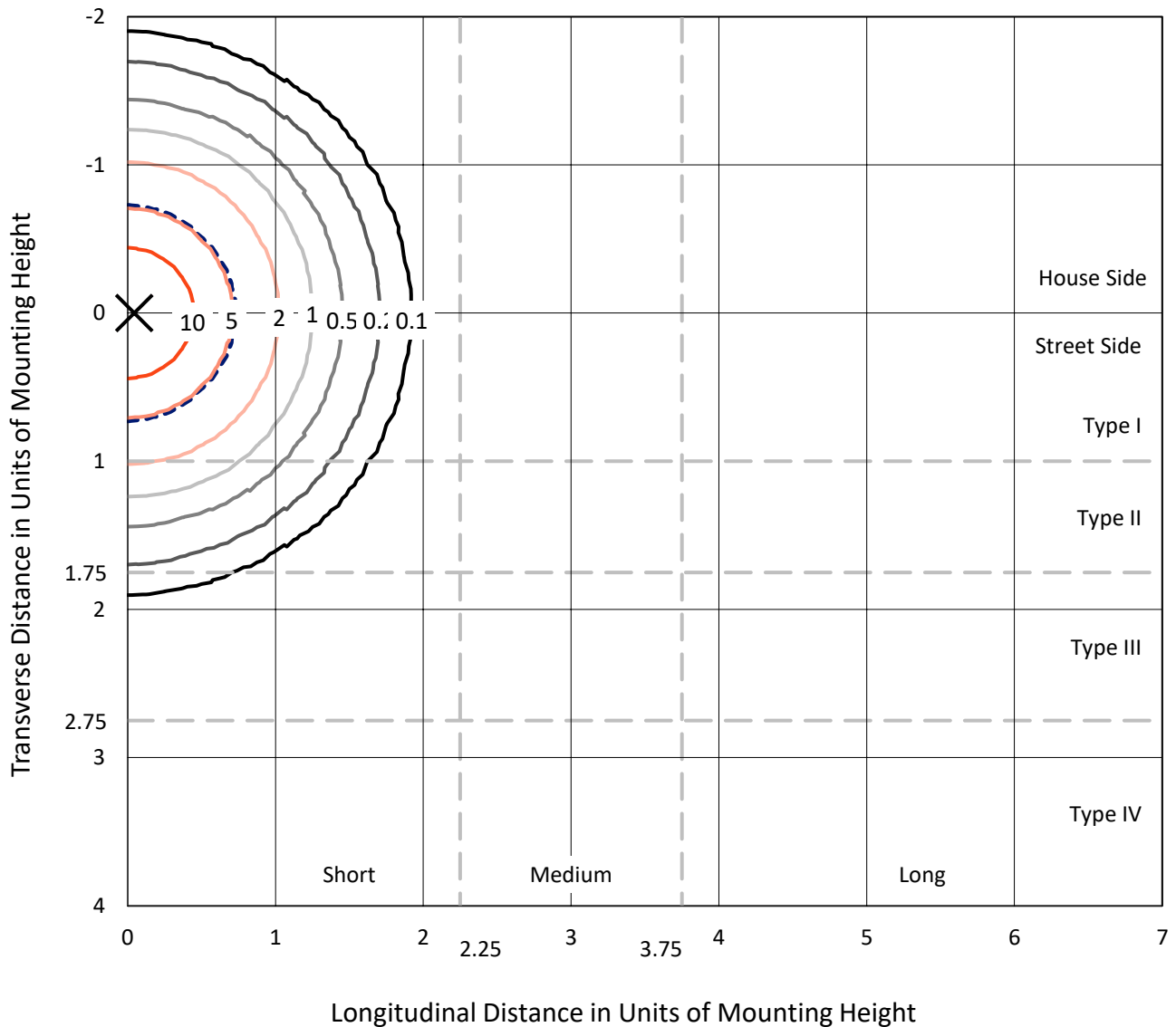
Lumens per Lamp: N/A
Luminaire Lumens: 10385.4 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

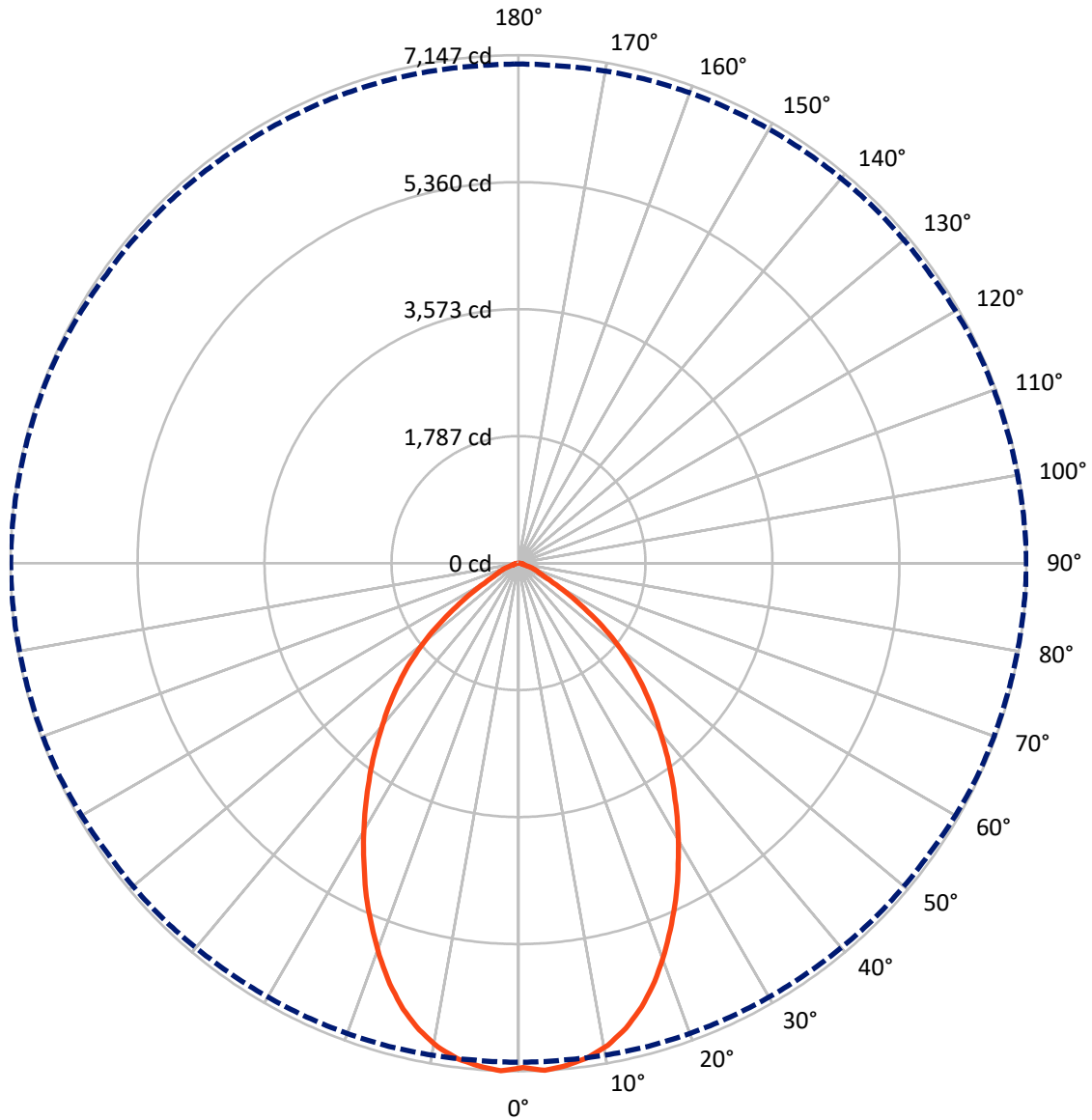
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 17.7 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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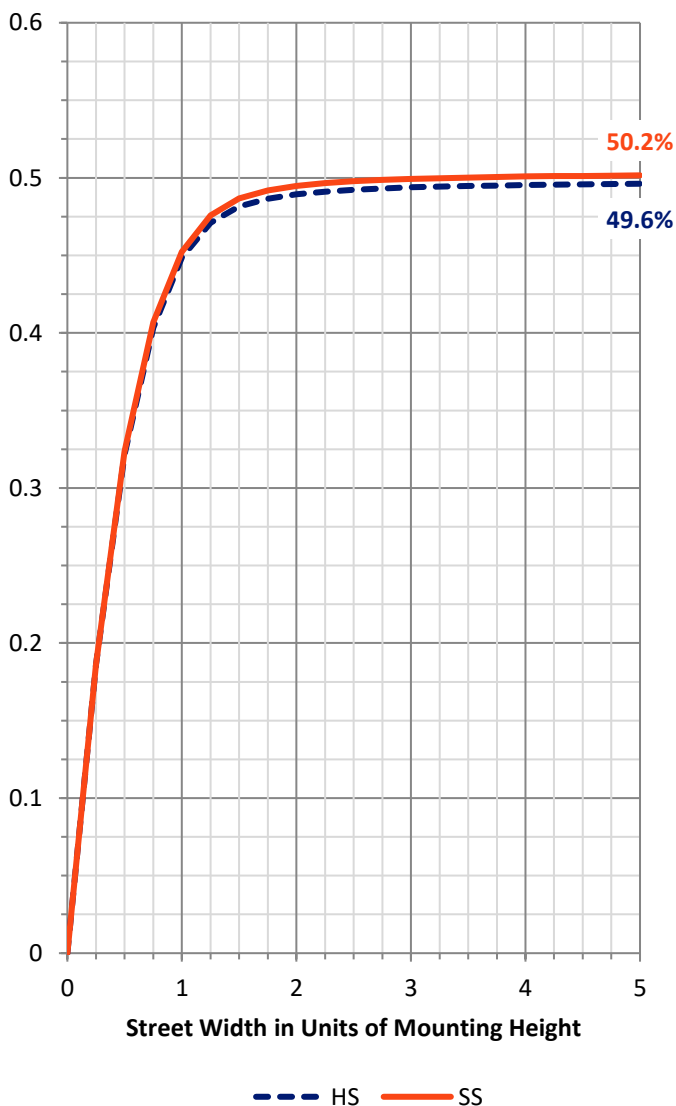
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5192.7	0.0	5192.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5192.7	0.0	5192.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10385.4	0.0	10385.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.4	6.4
10°-20°	1790.6	17.2
20°-30°	2316.7	22.3
30°-40°	2284.8	22.0
40°-50°	1848.5	17.8
50°-60°	1006.5	9.7
60°-70°	318.9	3.1
70°-80°	123.4	1.2
80°-90°	29.5	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°	10385.4	100.0
0°-180°	10385.4	100.0

Coefficient of Utilization



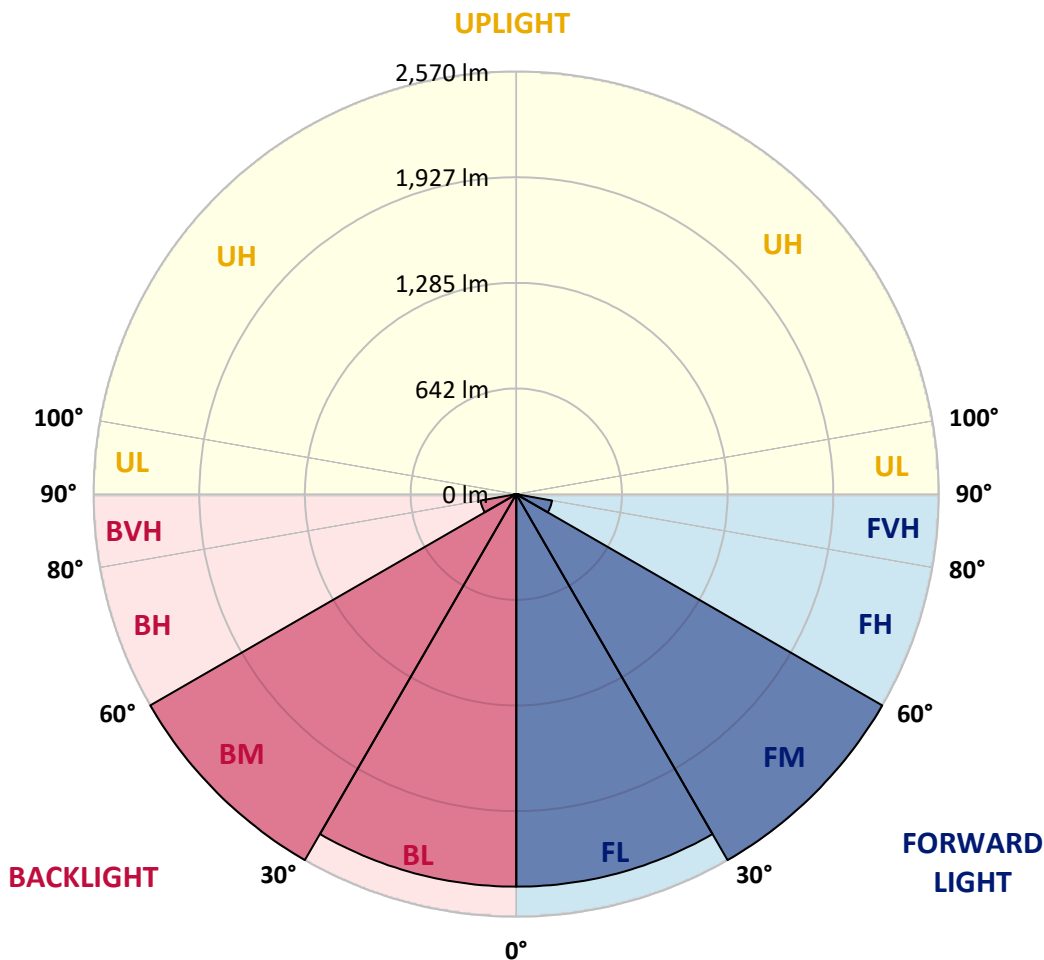
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2386.9	23.0			
FM (30°-60°)	2569.9	24.7			
FH (60°-80°)	221.1	2.1			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	2386.9	23.0	B3/2500		
BM (30°-60°)	2569.9	24.7	B3/5000		
BH (60°-80°)	221.1	2.1	B1/500		G0/660
BVH (80°-90°)	14.7	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°	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7	7098.7
2.5°	7022.2	7020.7	7038.7	7046.2	7055.2	7073.2	7079.2	7118.2	7122.7	7137.7	7146.7
5°	7010.2	7004.2	7022.2	7025.2	7035.7	7038.7	7047.7	7074.7	7071.7	7094.2	7098.7
7.5°	6945.7	6938.2	6953.2	6956.2	6971.2	6966.7	6981.7	7001.2	7001.2	7017.7	7025.2
10°	6801.6	6800.1	6815.1	6816.6	6837.6	6833.1	6857.1	6861.6	6873.6	6885.7	6899.2
12.5°	6629.1	6609.6	6629.1	6621.6	6650.1	6633.6	6666.6	6677.1	6683.1	6704.1	6714.6
15°	6407.0	6383.0	6396.5	6389.0	6407.0	6386.0	6420.5	6441.5	6449.0	6470.0	6480.5
17.5°	6109.9	6090.4	6093.4	6082.9	6094.9	6078.4	6111.4	6144.4	6154.9	6177.4	6192.4
20°	5736.3	5736.3	5737.8	5728.8	5739.3	5722.8	5743.8	5794.8	5805.3	5835.3	5860.8
22.5°	5371.7	5371.7	5376.2	5364.2	5367.2	5359.7	5382.2	5431.7	5448.2	5479.7	5511.2
25°	5022.1	5016.1	5019.1	5008.6	4996.6	4999.6	5026.6	5058.1	5094.1	5134.6	5158.6
27.5°	4689.0	4696.5	4678.5	4671.0	4662.0	4645.5	4677.0	4716.0	4741.5	4774.5	4786.5
30°	4333.4	4348.4	4334.9	4328.9	4306.3	4285.3	4318.3	4357.4	4382.9	4414.4	4427.9
32.5°	4016.8	4012.3	4000.2	3986.7	3964.2	3947.7	3961.2	4006.3	4025.8	4058.8	4063.3
35°	3677.6	3674.6	3667.1	3640.1	3632.6	3613.1	3625.1	3664.1	3679.1	3698.7	3713.7
37.5°	3346.0	3335.5	3332.5	3322.0	3308.5	3304.0	3304.0	3325.0	3340.0	3359.5	3374.6
40°	3017.4	3020.4	3011.4	3002.4	2997.9	2991.9	2993.4	3005.4	3017.4	3026.4	3035.4
42.5°	2720.3	2703.8	2697.8	2688.8	2693.3	2700.8	2684.3	2702.3	2717.3	2717.3	2736.9
45°	2379.7	2387.2	2390.2	2405.3	2405.3	2397.7	2391.7	2400.7	2415.8	2414.3	2433.8
47.5°	2082.7	2073.6	2081.2	2103.7	2123.2	2126.2	2108.2	2112.7	2117.2	2109.7	2127.7
50°	1757.0	1760.0	1758.5	1793.1	1832.1	1818.6	1805.1	1809.6	1808.1	1808.1	1811.1
52.5°	1402.9	1410.4	1401.4	1451.0	1493.0	1482.5	1473.5	1473.5	1481.0	1479.5	1478.0
55°	1080.3	1077.3	1057.8	1081.8	1119.3	1120.9	1107.3	1113.3	1120.9	1128.4	1126.9
57.5°	804.3	795.2	768.2	769.7	811.8	822.3	810.3	808.8	817.8	820.8	837.3
60°	541.7	540.2	516.2	514.7	531.2	559.7	546.2	546.2	549.2	553.7	558.2
62.5°	370.6	373.6	364.6	363.1	366.1	390.1	388.6	387.1	385.6	391.6	390.1
65°	291.1	292.6	289.6	289.6	291.1	301.6	312.1	313.6	315.1	316.6	315.1
67.5°	234.1	235.6	232.6	235.6	235.6	237.1	252.1	258.1	259.6	259.6	258.1
70°	180.1	186.1	189.1	189.1	189.1	189.1	199.6	207.1	205.6	196.6	187.6
72.5°	90.0	109.5	151.5	153.0	151.5	150.0	156.0	163.6	162.1	114.0	85.5
75°	60.0	64.5	118.5	124.5	123.0	117.0	123.0	132.0	129.0	73.5	70.5
77.5°	34.5	37.5	79.5	91.5	99.0	85.5	97.5	106.5	102.0	60.0	58.5
80°	27.0	25.5	57.0	70.5	67.5	54.0	79.5	85.5	78.0	45.0	40.5
82.5°	16.5	16.5	37.5	54.0	49.5	31.5	55.5	66.0	58.5	33.0	30.0
85°	9.0	10.5	18.0	27.0	28.5	21.0	30.0	36.0	36.0	21.0	21.0
87.5°	4.5	4.5	6.0	6.0	7.5	9.0	9.0	10.5	7.5	6.0	6.0
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)