

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: P524101

Luminaire Tested: **IFLD-S-SA2B-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524101
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

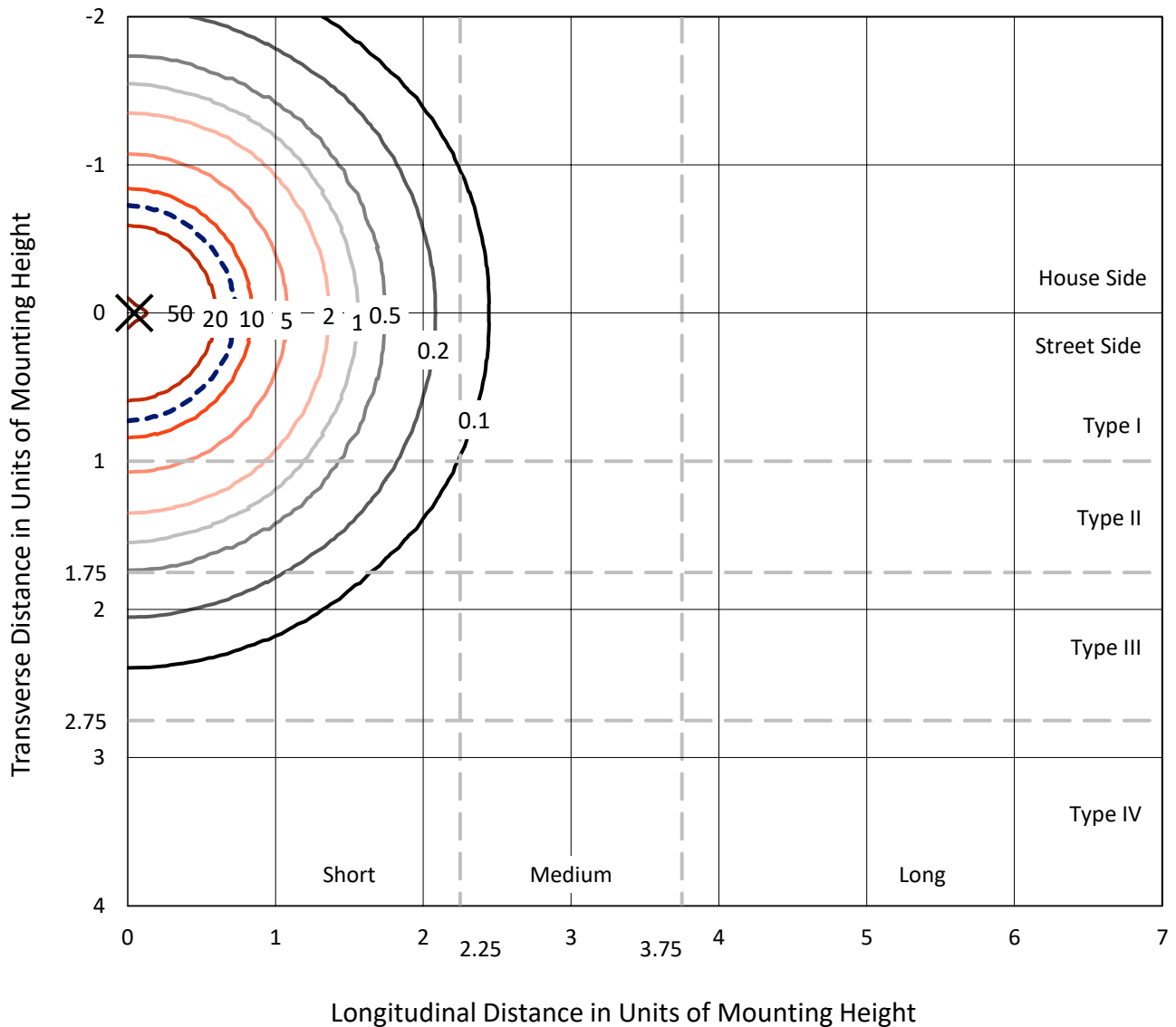
Lumens per Lamp: N/A
Luminaire Lumens: 7582 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 82.4
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

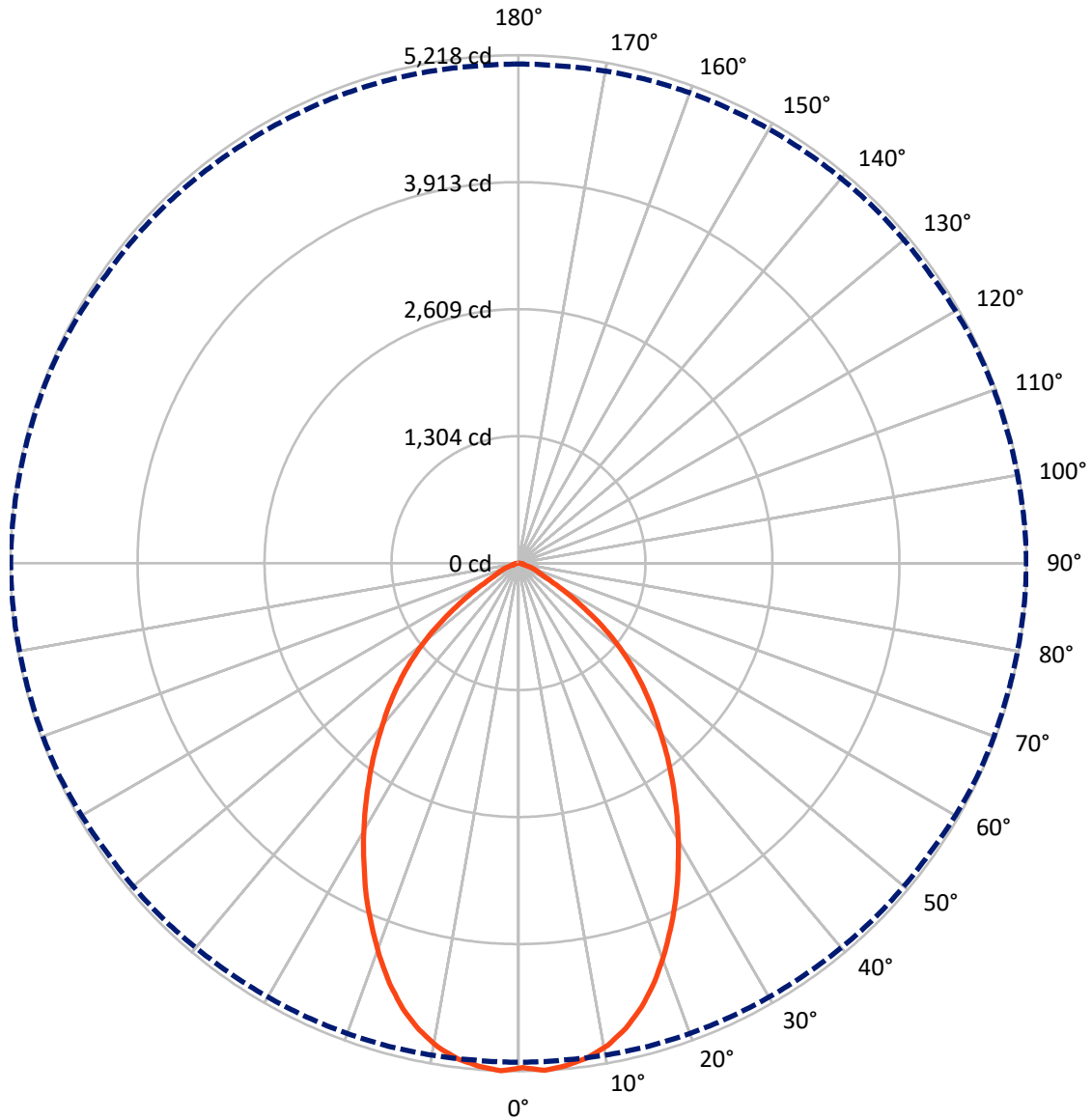
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 51.8 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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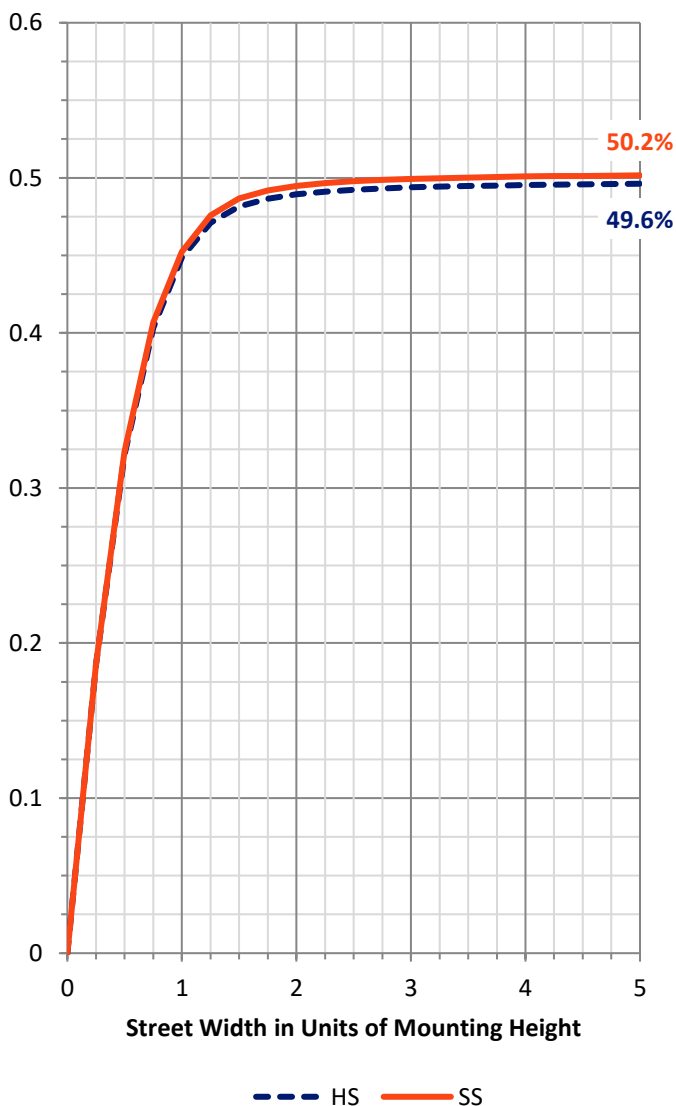
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3791.0	0.0	3791.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3791.0	0.0	3791.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7582.0	0.0	7582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.5	6.4
10°-20°	1307.3	17.2
20°-30°	1691.3	22.3
30°-40°	1668.1	22.0
40°-50°	1349.5	17.8
50°-60°	734.8	9.7
60°-70°	232.8	3.1
70°-80°	90.1	1.2
80°-90°	21.5	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°	7582.0	100.0
0°-180°	7582.0	100.0

Coefficient of Utilization



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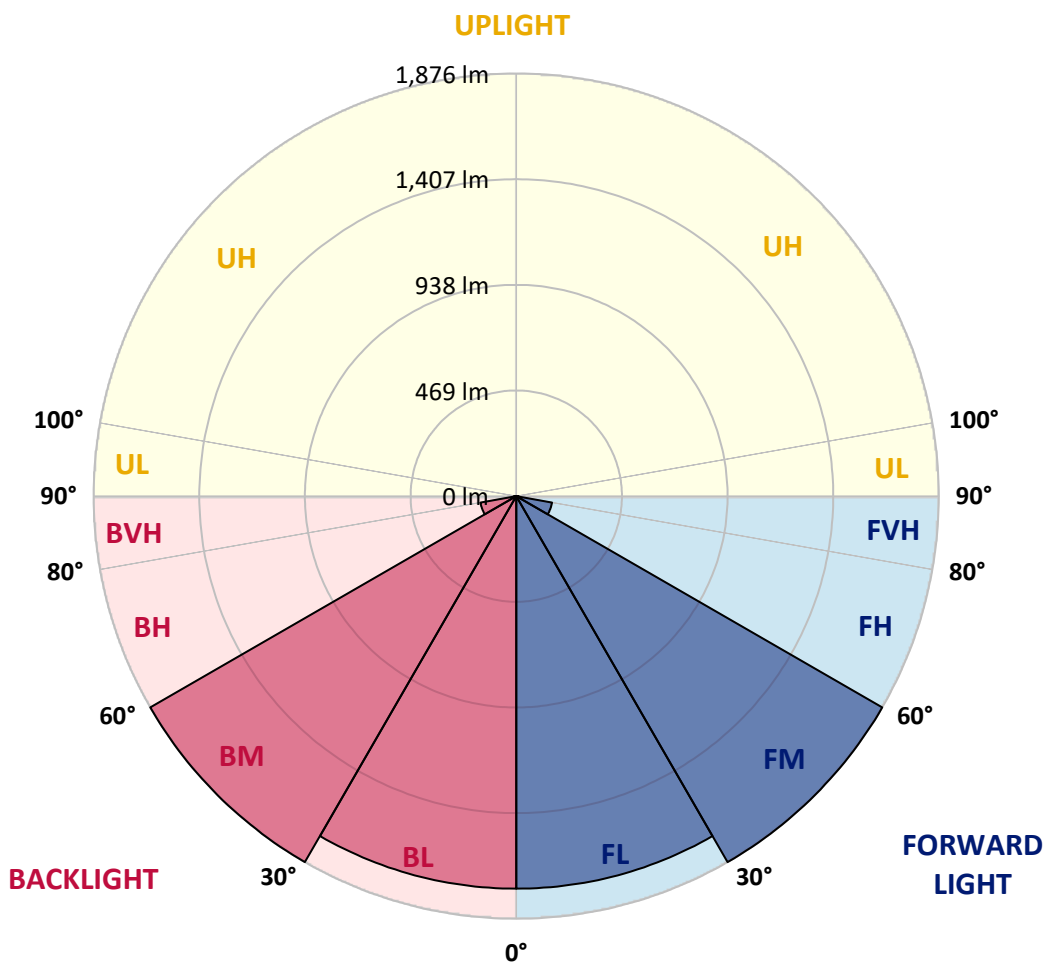
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.6	23.0			
FM (30°-60°)	1876.2	24.7			
FH (60°-80°)	161.4	2.1			G0/660
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	1742.6	23.0	B3/2500		
BM (30°-60°)	1876.2	24.7	B2/2500		
BH (60°-80°)	161.4	2.1	B1/500		G0/660
BVH (80°-90°)	10.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5	5182.5
2.5°	5126.6	5125.5	5138.7	5144.1	5150.7	5163.9	5168.2	5196.7	5200.0	5211.0	5217.5
5°	5117.8	5113.5	5126.6	5128.8	5136.5	5138.7	5145.2	5165.0	5162.8	5179.2	5182.5
7.5°	5070.7	5065.3	5076.2	5078.4	5089.4	5086.1	5097.0	5111.3	5111.3	5123.3	5128.8
10°	4965.6	4964.5	4975.4	4976.5	4991.9	4988.6	5006.1	5009.4	5018.2	5026.9	5036.8
12.5°	4839.6	4825.4	4839.6	4834.1	4854.9	4842.9	4867.0	4874.7	4879.0	4894.4	4902.0
15°	4677.5	4660.0	4669.8	4664.3	4677.5	4662.2	4687.3	4702.7	4708.2	4723.5	4731.2
17.5°	4460.6	4446.4	4448.5	4440.9	4449.6	4437.6	4461.7	4485.8	4493.5	4509.9	4520.8
20°	4187.8	4187.8	4188.9	4182.4	4190.0	4178.0	4193.3	4230.6	4238.2	4260.1	4278.8
22.5°	3921.6	3921.6	3924.9	3916.2	3918.4	3912.9	3929.3	3965.5	3977.5	4000.5	4023.5
25°	3666.4	3662.0	3664.2	3656.5	3647.8	3650.0	3669.7	3692.7	3719.0	3748.6	3766.1
27.5°	3423.2	3428.7	3415.6	3410.1	3403.5	3391.5	3414.5	3442.9	3461.6	3485.7	3494.4
30°	3163.6	3174.6	3164.7	3160.3	3143.9	3128.5	3152.6	3181.1	3199.8	3222.8	3232.6
32.5°	2932.5	2929.2	2920.4	2910.6	2894.1	2882.1	2891.9	2924.8	2939.0	2963.1	2966.4
35°	2684.9	2682.7	2677.2	2657.5	2652.0	2637.8	2646.6	2675.0	2686.0	2700.2	2711.2
37.5°	2442.8	2435.1	2433.0	2425.3	2415.4	2412.1	2412.1	2427.5	2438.4	2452.7	2463.6
40°	2202.9	2205.1	2198.5	2192.0	2188.7	2184.3	2185.4	2194.1	2202.9	2209.5	2216.1
42.5°	1986.0	1974.0	1969.6	1963.0	1966.3	1971.8	1959.7	1972.9	1983.8	1983.8	1998.1
45°	1737.4	1742.8	1745.0	1756.0	1756.0	1750.5	1746.1	1752.7	1763.6	1762.5	1776.8
47.5°	1520.5	1513.9	1519.4	1535.8	1550.0	1552.2	1539.1	1542.4	1545.7	1540.2	1553.3
50°	1282.7	1284.9	1283.8	1309.0	1337.5	1327.7	1317.8	1321.1	1320.0	1320.0	1322.2
52.5°	1024.2	1029.7	1023.1	1059.3	1090.0	1082.3	1075.7	1075.7	1081.2	1080.1	1079.0
55°	788.7	786.5	772.3	789.8	817.2	818.3	808.4	812.8	818.3	823.8	822.7
57.5°	587.2	580.6	560.9	562.0	592.6	600.3	591.5	590.4	597.0	599.2	611.3
60°	395.5	394.4	376.8	375.7	387.8	408.6	398.7	398.7	400.9	404.2	407.5
62.5°	270.6	272.8	266.2	265.1	267.3	284.8	283.7	282.6	281.5	285.9	284.8
65°	212.5	213.6	211.4	211.4	212.5	220.2	227.8	228.9	230.0	231.1	230.0
67.5°	170.9	172.0	169.8	172.0	172.0	173.1	184.0	188.4	189.5	189.5	188.4
70°	131.5	135.8	138.0	138.0	138.0	138.0	145.7	151.2	150.1	143.5	136.9
72.5°	65.7	80.0	110.6	111.7	110.6	109.5	113.9	119.4	118.3	83.3	62.4
75°	43.8	47.1	86.5	90.9	89.8	85.4	89.8	96.4	94.2	53.7	51.5
77.5°	25.2	27.4	58.1	66.8	72.3	62.4	71.2	77.8	74.5	43.8	42.7
80°	19.7	18.6	41.6	51.5	49.3	39.4	58.1	62.4	57.0	32.9	29.6
82.5°	12.0	12.0	27.4	39.4	36.1	23.0	40.5	48.2	42.7	24.1	21.9
85°	6.6	7.7	13.1	19.7	20.8	15.3	21.9	26.3	26.3	15.3	15.3
87.5°	3.3	3.3	4.4	4.4	5.5	6.6	6.6	7.7	5.5	4.4	4.4
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)