

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: P524140

Luminaire Tested: **IFLD-S-SA2B-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524140
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

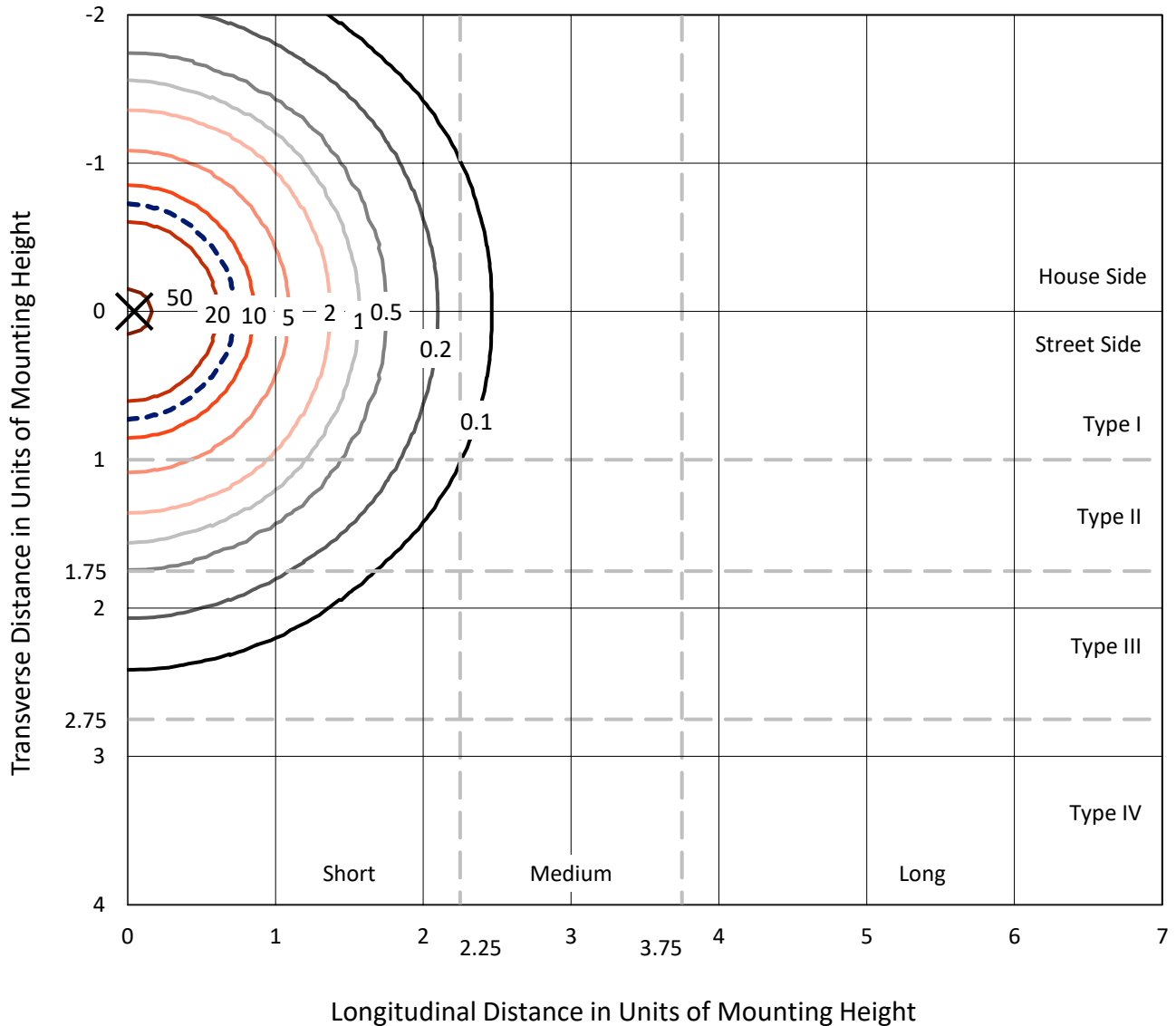
Lumens per Lamp: N/A
Luminaire Lumens: 7866.2 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

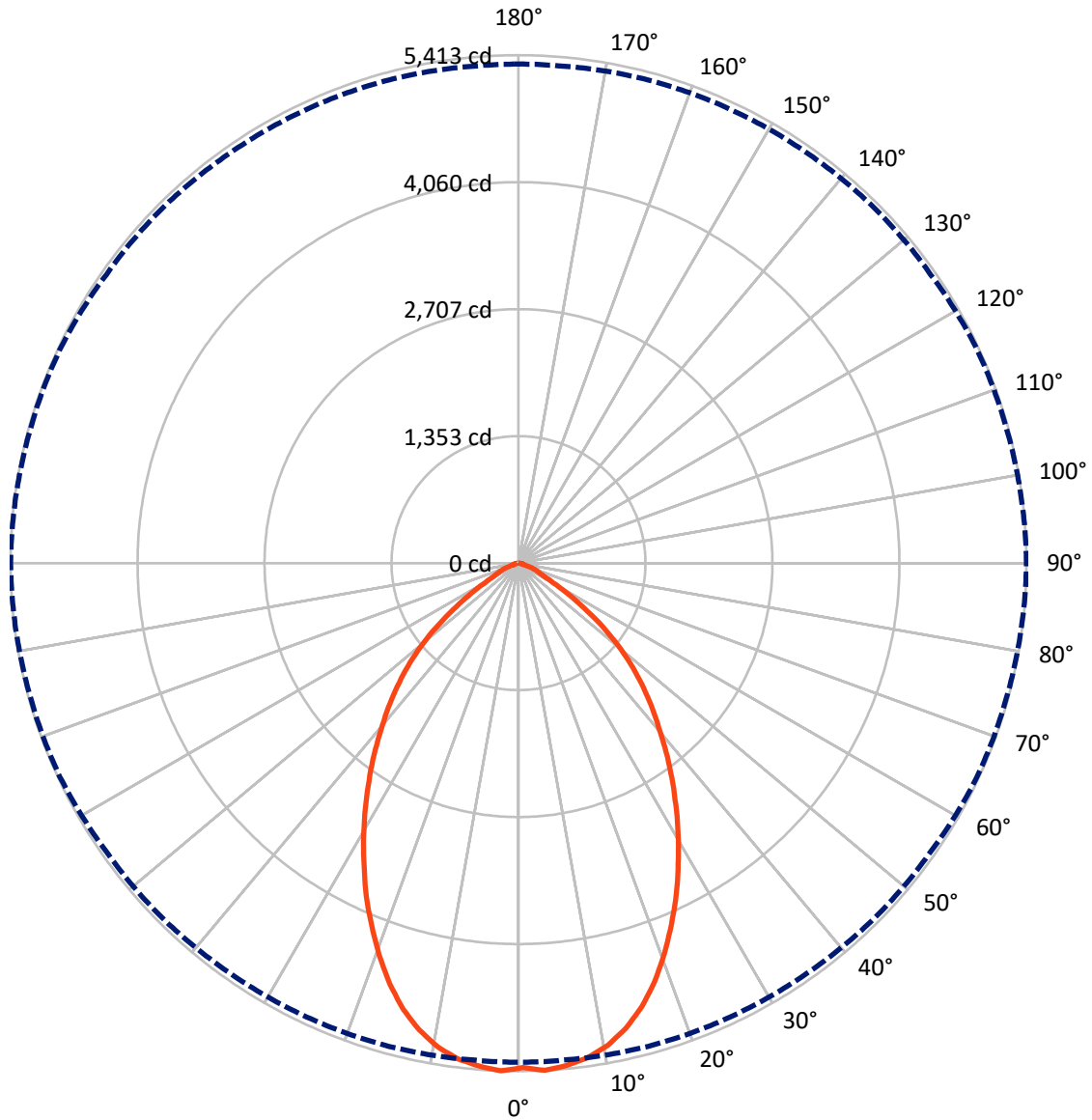
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 53.8 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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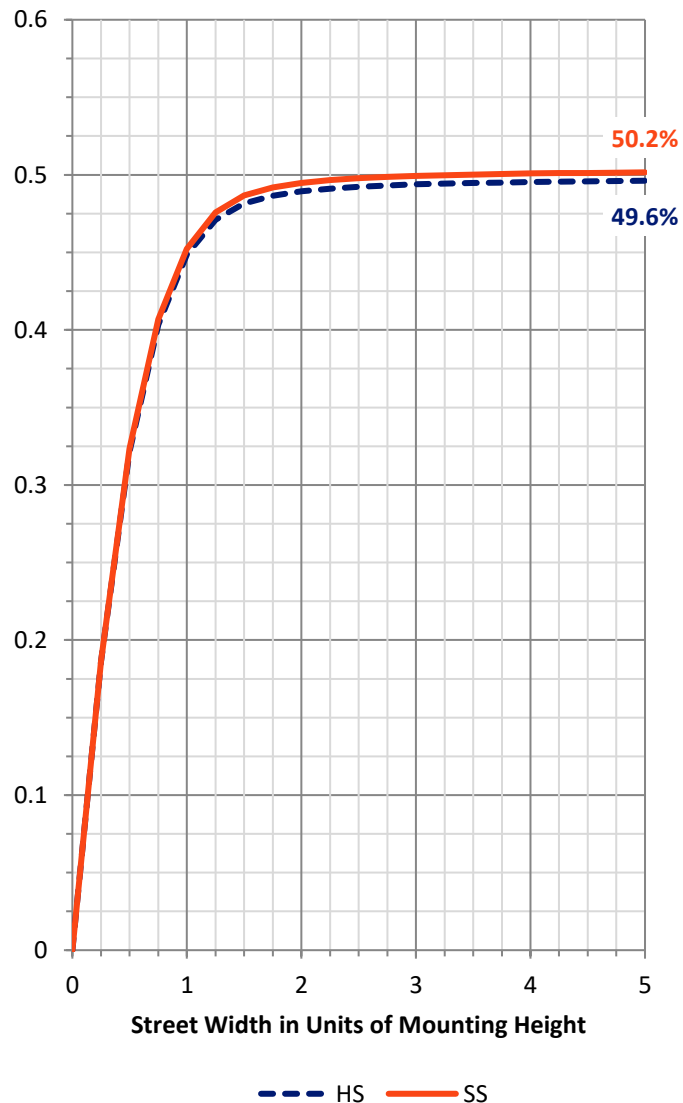
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3933.1	0.0	3933.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3933.1	0.0	3933.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7866.2	0.0	7866.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.8	6.4
10°-20°	1356.3	17.2
20°-30°	1754.7	22.3
30°-40°	1730.6	22.0
40°-50°	1400.1	17.8
50°-60°	762.3	9.7
60°-70°	241.5	3.1
70°-80°	93.5	1.2
80°-90°	22.3	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°	7866.2	100.0
0°-180°	7866.2	100.0

Coefficient of Utilization



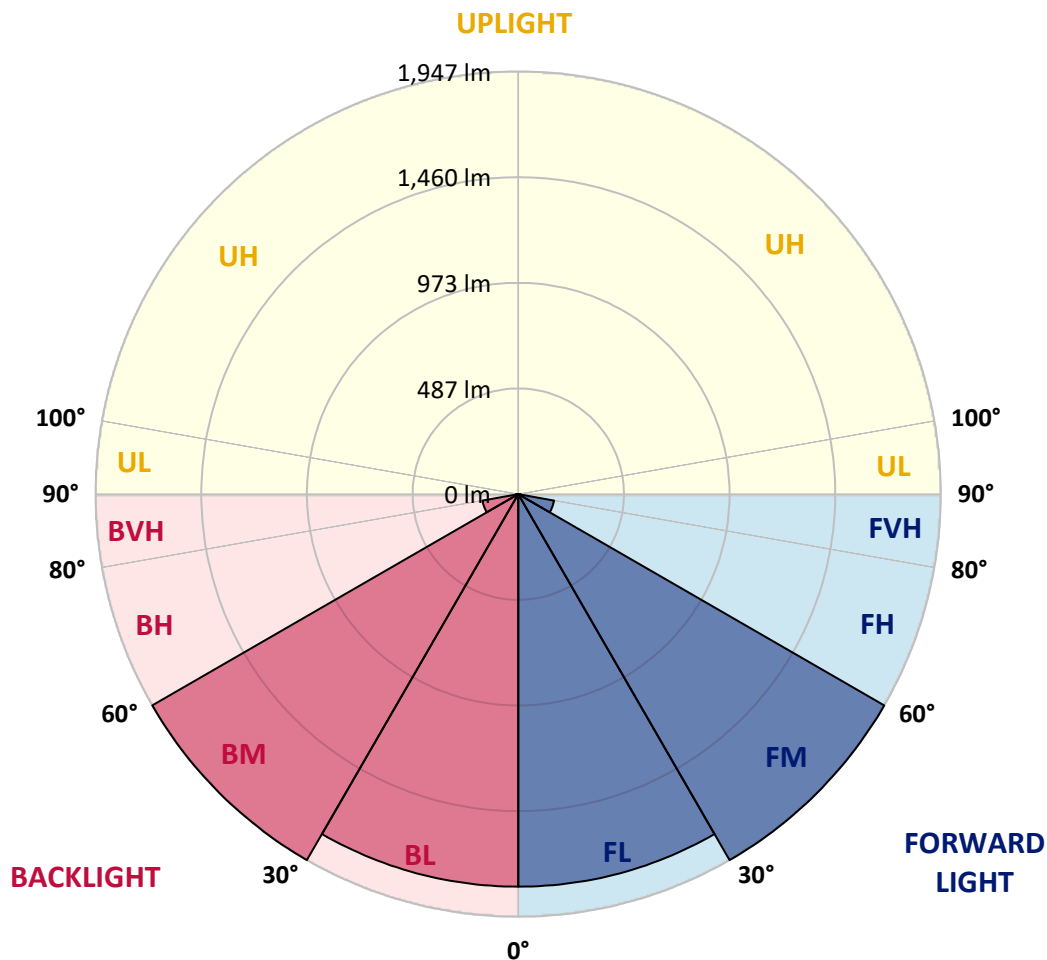
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.9	23.0			
FM (30°-60°)	1946.5	24.7			
FH (60°-80°)	167.5	2.1			G0/660
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	1807.9	23.0	B3/2500		
BM (30°-60°)	1946.5	24.7	B2/2500		
BH (60°-80°)	167.5	2.1	B1/500		G0/660
BVH (80°-90°)	11.2	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°	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7	5376.7
2.5°	5318.8	5317.6	5331.3	5337.0	5343.8	5357.4	5362.0	5391.5	5394.9	5406.3	5413.1
5°	5309.7	5305.1	5318.8	5321.1	5329.0	5331.3	5338.1	5358.6	5356.3	5373.3	5376.7
7.5°	5260.8	5255.1	5266.5	5268.8	5280.1	5276.7	5288.1	5302.9	5302.9	5315.4	5321.1
10°	5151.7	5150.6	5161.9	5163.1	5179.0	5175.6	5193.8	5197.2	5206.3	5215.4	5225.6
12.5°	5021.0	5006.2	5021.0	5015.3	5036.9	5024.4	5049.4	5057.4	5061.9	5077.8	5085.8
15°	4852.8	4834.6	4844.9	4839.2	4852.8	4836.9	4863.0	4879.0	4884.6	4900.6	4908.5
17.5°	4627.8	4613.0	4615.3	4607.3	4616.4	4603.9	4628.9	4653.9	4661.9	4678.9	4690.3
20°	4344.8	4344.8	4345.9	4339.1	4347.1	4334.6	4350.5	4389.1	4397.1	4419.8	4439.1
22.5°	4068.6	4068.6	4072.1	4063.0	4065.2	4059.5	4076.6	4114.1	4126.6	4150.5	4174.3
25°	3803.8	3799.3	3801.6	3793.6	3784.5	3786.8	3807.2	3831.1	3858.4	3889.1	3907.3
27.5°	3551.5	3557.2	3543.6	3537.9	3531.1	3518.6	3542.4	3572.0	3591.3	3616.3	3625.4
30°	3282.2	3293.6	3283.3	3278.8	3261.7	3245.8	3270.8	3300.4	3319.7	3343.6	3353.8
32.5°	3042.4	3039.0	3029.9	3019.7	3002.6	2990.1	3000.3	3034.4	3049.2	3074.2	3077.6
35°	2785.5	2783.3	2777.6	2757.1	2751.4	2736.7	2745.8	2775.3	2786.7	2801.5	2812.8
37.5°	2534.4	2526.4	2524.1	2516.2	2506.0	2502.6	2502.6	2518.5	2529.8	2544.6	2556.0
40°	2285.5	2287.8	2280.9	2274.1	2270.7	2266.2	2267.3	2276.4	2285.5	2292.3	2299.1
42.5°	2060.5	2048.0	2043.4	2036.6	2040.0	2045.7	2033.2	2046.8	2058.2	2058.2	2073.0
45°	1802.5	1808.2	1810.4	1821.8	1821.8	1816.1	1811.6	1818.4	1829.8	1828.6	1843.4
47.5°	1577.5	1570.6	1576.3	1593.4	1608.1	1610.4	1596.8	1600.2	1603.6	1597.9	1611.5
50°	1330.8	1333.1	1332.0	1358.1	1387.7	1377.4	1367.2	1370.6	1369.5	1369.5	1371.7
52.5°	1062.6	1068.3	1061.5	1099.0	1130.8	1122.9	1116.0	1116.0	1121.7	1120.6	1119.4
55°	818.3	816.0	801.2	819.4	847.8	849.0	838.7	843.3	849.0	854.6	853.5
57.5°	609.2	602.3	581.9	583.0	614.8	622.8	613.7	612.6	619.4	621.7	634.2
60°	410.3	409.1	391.0	389.8	402.3	423.9	413.7	413.7	416.0	419.4	422.8
62.5°	280.7	283.0	276.2	275.0	277.3	295.5	294.4	293.2	292.1	296.6	295.5
65°	220.5	221.6	219.3	219.3	220.5	228.4	236.4	237.5	238.7	239.8	238.7
67.5°	177.3	178.4	176.2	178.4	178.4	179.6	190.9	195.5	196.6	196.6	195.5
70°	136.4	140.9	143.2	143.2	143.2	143.2	151.2	156.8	155.7	148.9	142.1
72.5°	68.2	83.0	114.8	115.9	114.8	113.6	118.2	123.9	122.7	86.4	64.8
75°	45.5	48.9	89.8	94.3	93.2	88.6	93.2	100.0	97.7	55.7	53.4
77.5°	26.1	28.4	60.2	69.3	75.0	64.8	73.9	80.7	77.3	45.5	44.3
80°	20.5	19.3	43.2	53.4	51.1	40.9	60.2	64.8	59.1	34.1	30.7
82.5°	12.5	12.5	28.4	40.9	37.5	23.9	42.1	50.0	44.3	25.0	22.7
85°	6.8	8.0	13.6	20.5	21.6	15.9	22.7	27.3	27.3	15.9	15.9
87.5°	3.4	3.4	4.5	4.5	5.7	6.8	6.8	8.0	5.7	4.5	4.5
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)