

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: P524139

Luminaire Tested: **IFLD-S-SA2A-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524139
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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

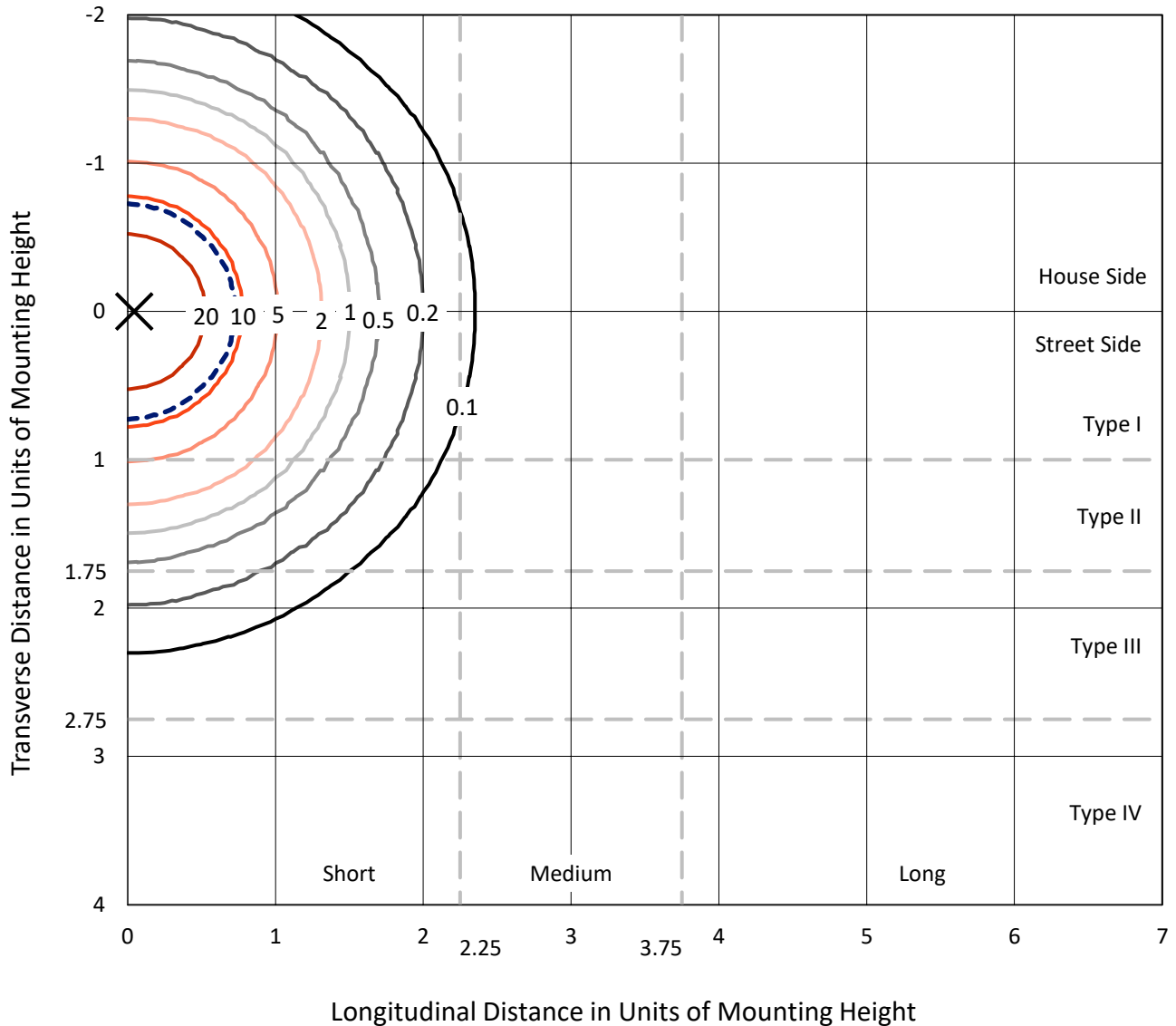
Lumens per Lamp: N/A
Luminaire Lumens: 6360.5 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8
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

REPORT NUMBER: P524139
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66

Iso-Footcandle Lines of Horizontal Illumination

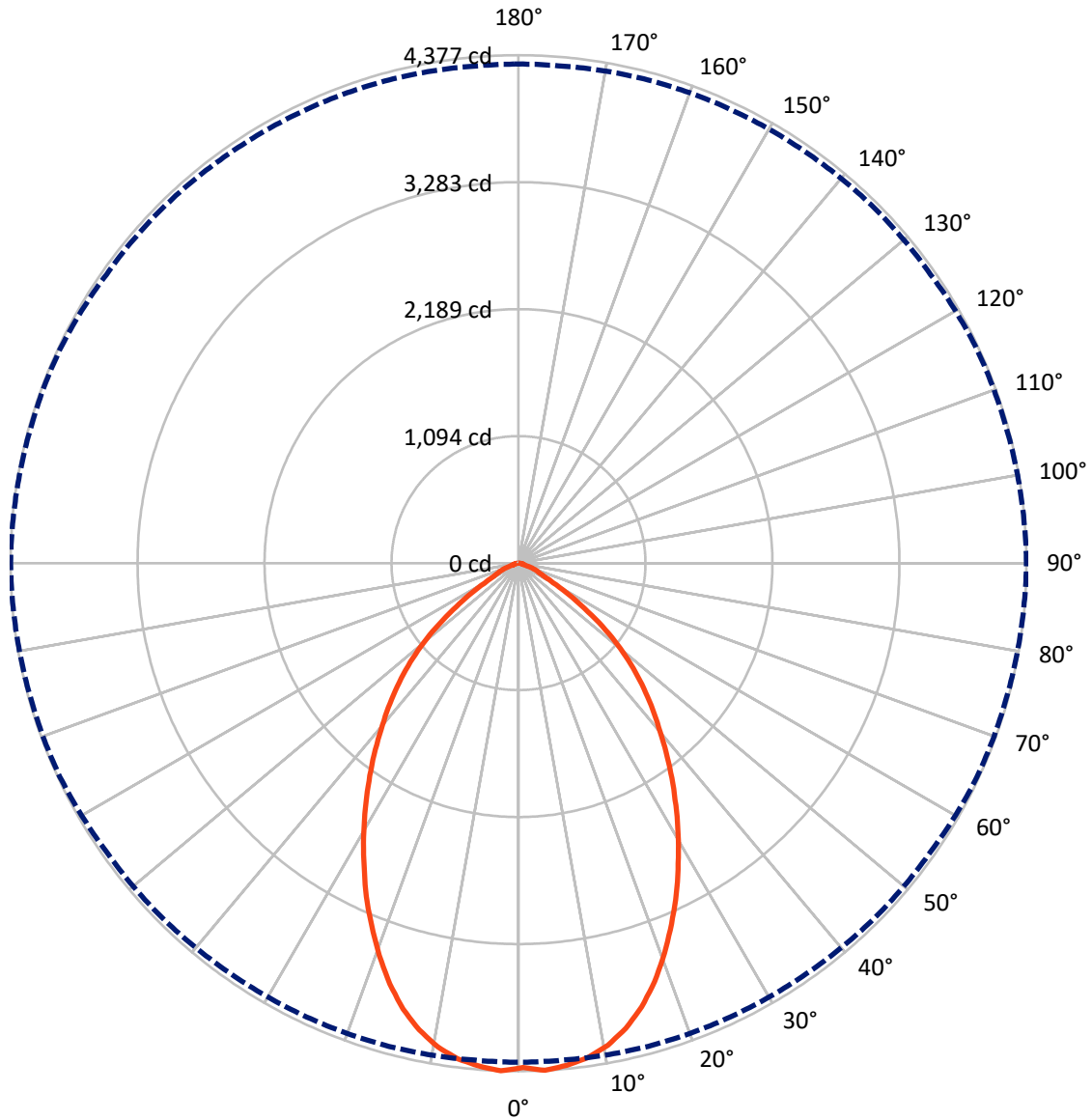
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 43.5 fc
 Type V - Short - N/A

REPORT NUMBER: P524139
CATALOG NUMBER: IFLD-S-SA2A-935-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524139

CATALOG NUMBER: IFLD-S-SA2A-935-U-66

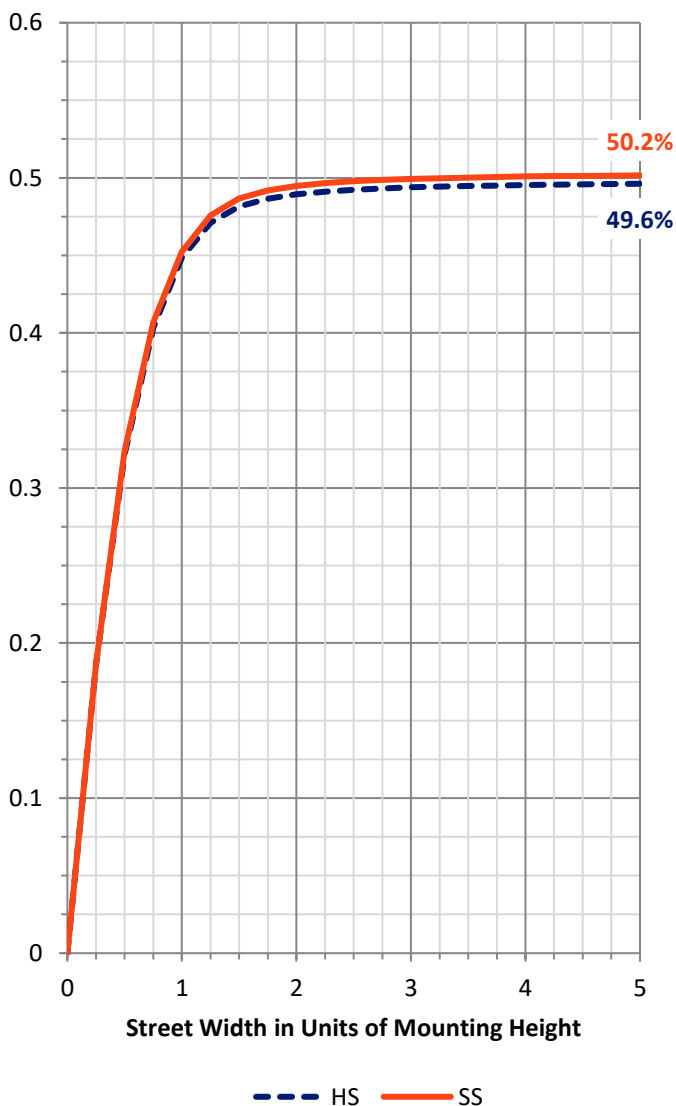
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3180.2	0.0	3180.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3180.2	0.0	3180.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6360.5	0.0	6360.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	6.4
10°-20°	1096.7	17.2
20°-30°	1418.9	22.3
30°-40°	1399.3	22.0
40°-50°	1132.1	17.8
50°-60°	616.4	9.7
60°-70°	195.3	3.1
70°-80°	75.6	1.2
80°-90°	18.1	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°	6360.5	100.0
0°-180°	6360.5	100.0

Coefficient of Utilization



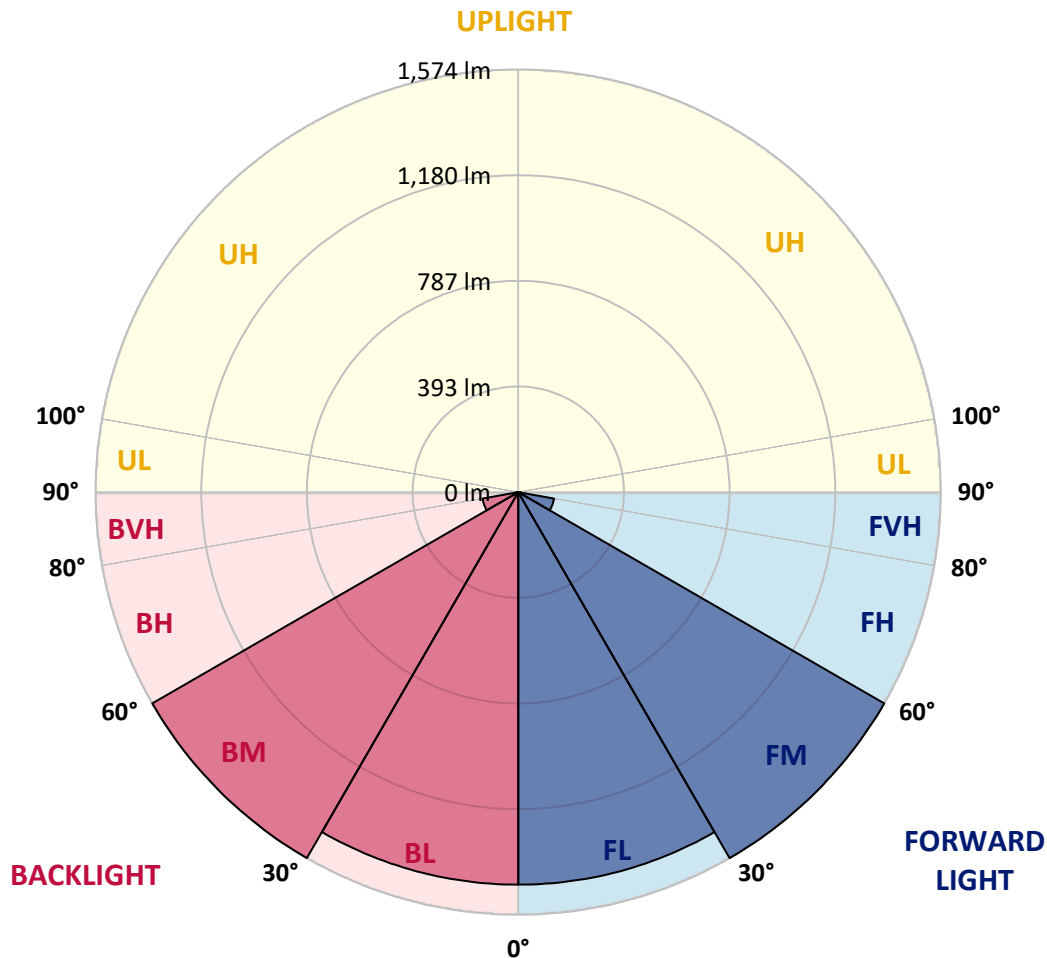
REPORT NUMBER: P524139
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1461.8	23.0			
FM (30°-60°)	1573.9	24.7			
FH (60°-80°)	135.4	2.1			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	1461.8	23.0	B3/2500		
BM (30°-60°)	1573.9	24.7	B2/2500		
BH (60°-80°)	135.4	2.1	B1/500		G0/660
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P524139
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5
2.5°	4300.7	4299.8	4310.8	4315.4	4320.9	4331.9	4335.6	4359.5	4362.2	4371.4	4377.0
5°	4293.3	4289.7	4300.7	4302.5	4308.9	4310.8	4316.3	4332.8	4331.0	4344.8	4347.5
7.5°	4253.8	4249.2	4258.4	4260.2	4269.4	4266.7	4275.9	4287.8	4287.8	4297.9	4302.5
10°	4165.6	4164.7	4173.9	4174.8	4187.6	4184.9	4199.6	4202.4	4209.7	4217.1	4225.3
12.5°	4059.9	4048.0	4059.9	4055.3	4072.8	4062.7	4082.9	4089.3	4093.0	4105.9	4112.3
15°	3923.9	3909.2	3917.5	3912.9	3923.9	3911.0	3932.2	3945.0	3949.6	3962.5	3968.9
17.5°	3742.0	3730.0	3731.8	3725.4	3732.8	3722.7	3742.9	3763.1	3769.5	3783.3	3792.5
20°	3513.1	3513.1	3514.1	3508.5	3515.0	3504.9	3517.7	3549.0	3555.4	3573.8	3589.4
22.5°	3289.8	3289.8	3292.6	3285.2	3287.1	3282.5	3296.3	3326.6	3336.7	3356.0	3375.3
25°	3075.7	3072.0	3073.9	3067.4	3060.1	3061.9	3078.5	3097.8	3119.8	3144.6	3159.3
27.5°	2871.7	2876.3	2865.3	2860.7	2855.2	2845.1	2864.4	2888.3	2903.9	2924.1	2931.4
30°	2653.9	2663.1	2654.8	2651.2	2637.4	2624.5	2644.7	2668.6	2684.2	2703.5	2711.8
32.5°	2460.0	2457.3	2449.9	2441.6	2427.9	2417.8	2426.0	2453.6	2465.5	2485.8	2488.5
35°	2252.3	2250.5	2245.9	2229.4	2224.8	2212.8	2220.2	2244.1	2253.3	2265.2	2274.4
37.5°	2049.3	2042.8	2041.0	2034.6	2026.3	2023.5	2023.5	2036.4	2045.6	2057.5	2066.7
40°	1848.0	1849.8	1844.3	1838.8	1836.1	1832.4	1833.3	1840.7	1848.0	1853.5	1859.0
42.5°	1666.1	1655.9	1652.3	1646.8	1649.5	1654.1	1644.0	1655.0	1664.2	1664.2	1676.2
45°	1457.5	1462.0	1463.9	1473.1	1473.1	1468.5	1464.8	1470.3	1479.5	1478.6	1490.5
47.5°	1275.5	1270.0	1274.6	1288.4	1300.3	1302.1	1291.1	1293.9	1296.6	1292.0	1303.1
50°	1076.1	1077.9	1077.0	1098.1	1122.0	1113.8	1105.5	1108.3	1107.3	1107.3	1109.2
52.5°	859.2	863.8	858.3	888.6	914.4	907.9	902.4	902.4	907.0	906.1	905.2
55°	661.6	659.8	647.9	662.6	685.5	686.5	678.2	681.9	686.5	691.0	690.1
57.5°	492.6	487.0	470.5	471.4	497.2	503.6	496.2	495.3	500.8	502.7	512.8
60°	331.7	330.8	316.1	315.2	325.3	342.8	334.5	334.5	336.3	339.1	341.8
62.5°	227.0	228.8	223.3	222.4	224.2	238.9	238.0	237.1	236.2	239.8	238.9
65°	178.3	179.2	177.4	177.4	178.3	184.7	191.1	192.1	193.0	193.9	193.0
67.5°	143.4	144.3	142.4	144.3	144.3	145.2	154.4	158.1	159.0	159.0	158.1
70°	110.3	113.9	115.8	115.8	115.8	115.8	122.2	126.8	125.9	120.4	114.9
72.5°	55.1	67.1	92.8	93.7	92.8	91.9	95.6	100.2	99.2	69.8	52.4
75°	36.8	39.5	72.6	76.3	75.4	71.7	75.4	80.9	79.0	45.0	43.2
77.5°	21.1	23.0	48.7	56.1	60.7	52.4	59.7	65.2	62.5	36.8	35.8
80°	16.5	15.6	34.9	43.2	41.4	33.1	48.7	52.4	47.8	27.6	24.8
82.5°	10.1	10.1	23.0	33.1	30.3	19.3	34.0	40.4	35.8	20.2	18.4
85°	5.5	6.4	11.0	16.5	17.5	12.9	18.4	22.1	22.1	12.9	12.9
87.5°	2.8	2.8	3.7	3.7	4.6	5.5	5.5	6.4	4.6	3.7	3.7
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)