

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: P525316

Luminaire Tested: **IFLD-S-SA3C-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

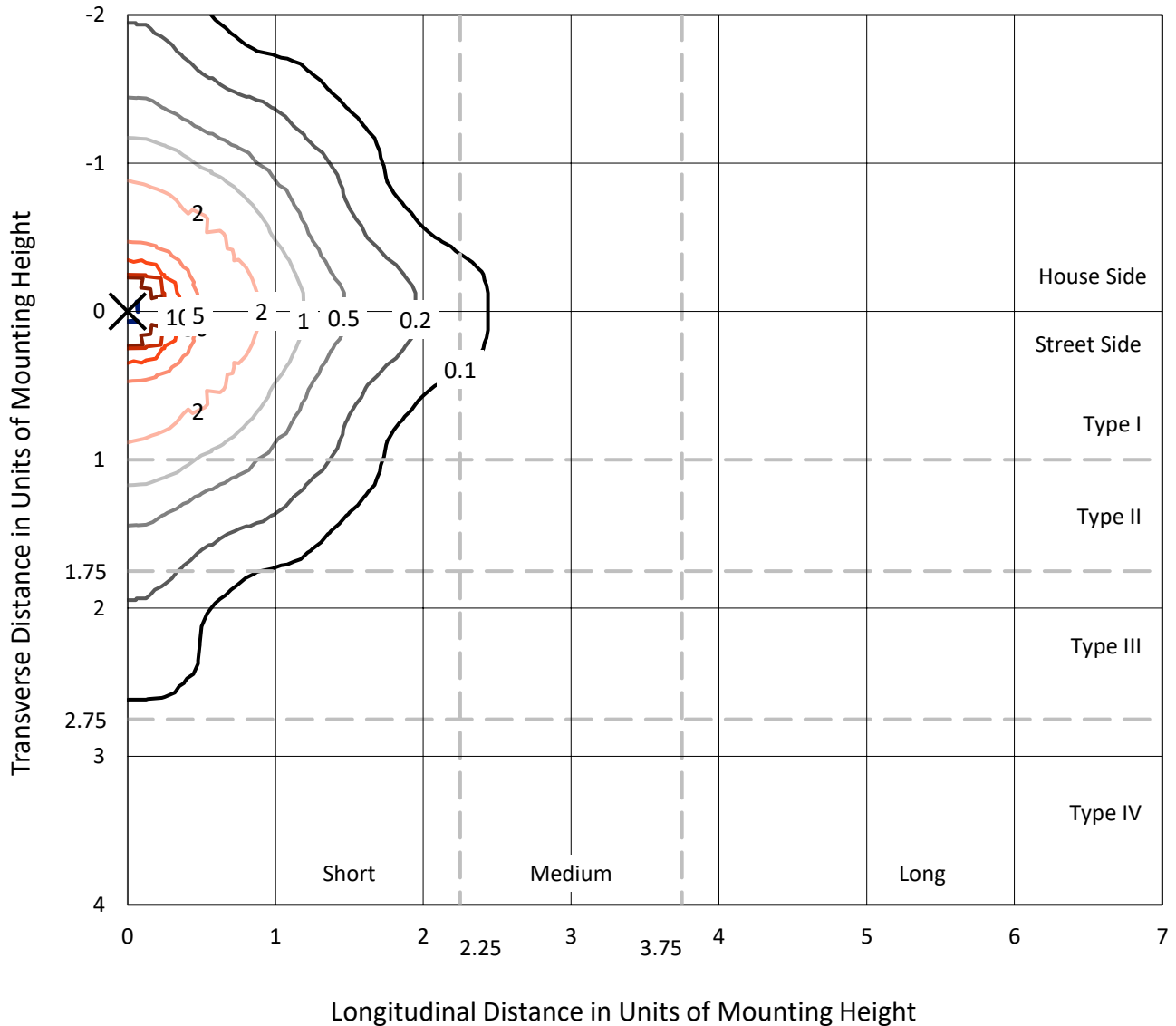
Lumens per Lamp: N/A
Luminaire Lumens: 8116.3 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 160.8
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

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Iso-Footcandle Lines of Horizontal Illumination

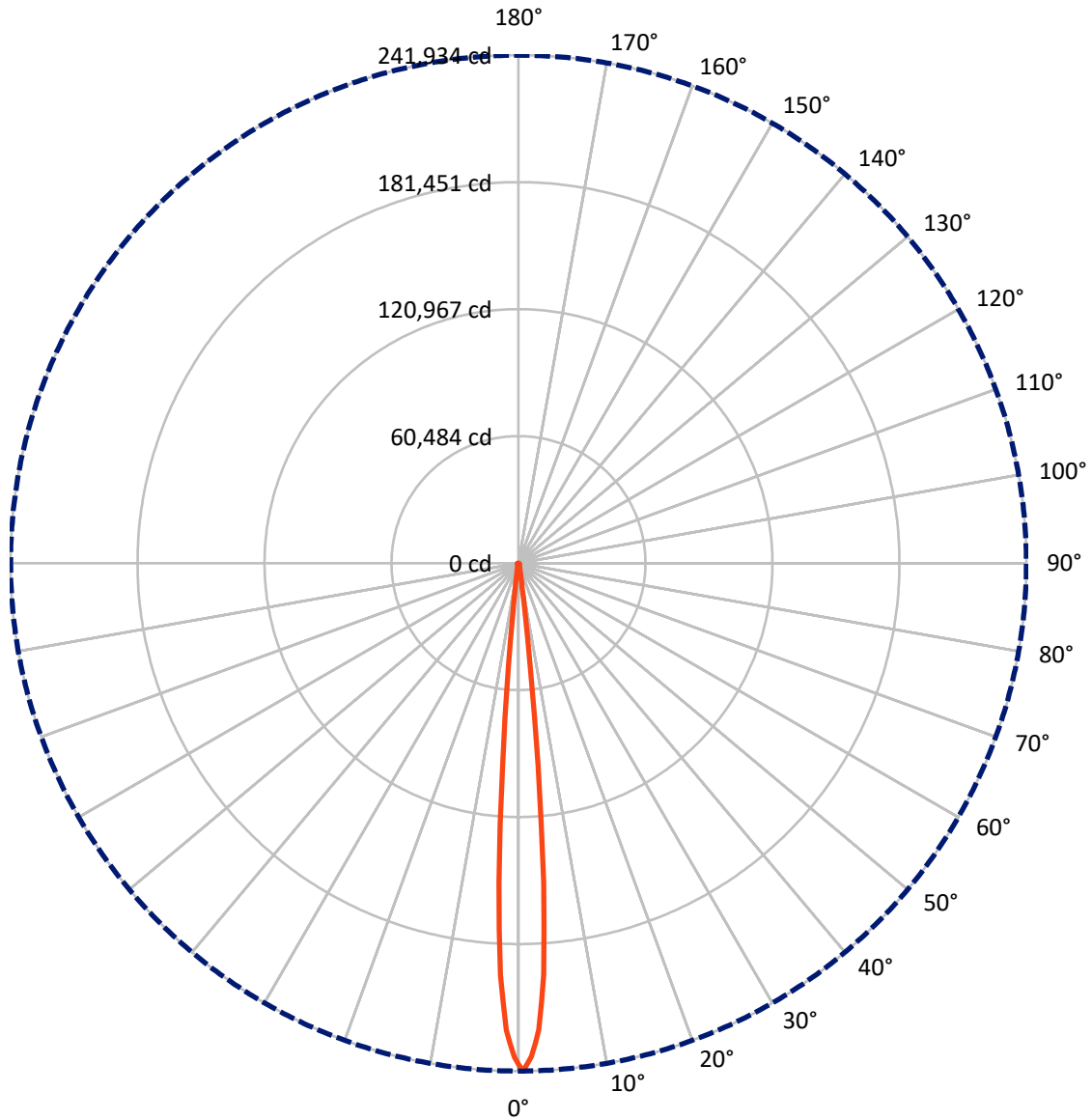
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2419.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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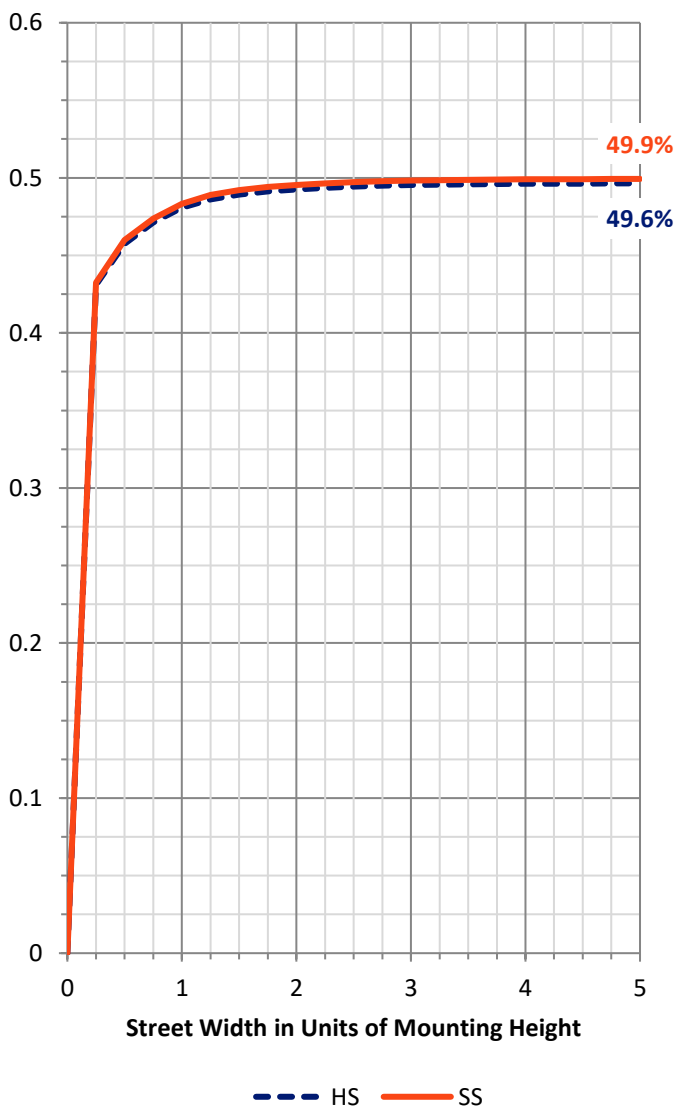
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4058.2	0.0	4058.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4058.2	0.0	4058.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8116.3	0.0	8116.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6233.3	76.8
10°-20°	608.0	7.5
20°-30°	324.8	4.0
30°-40°	267.9	3.3
40°-50°	298.3	3.7
50°-60°	200.6	2.5
60°-70°	128.0	1.6
70°-80°	50.5	0.6
80°-90°	4.9	0.1
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°	8116.3	100.0
0°-180°	8116.3	100.0

Coefficient of Utilization

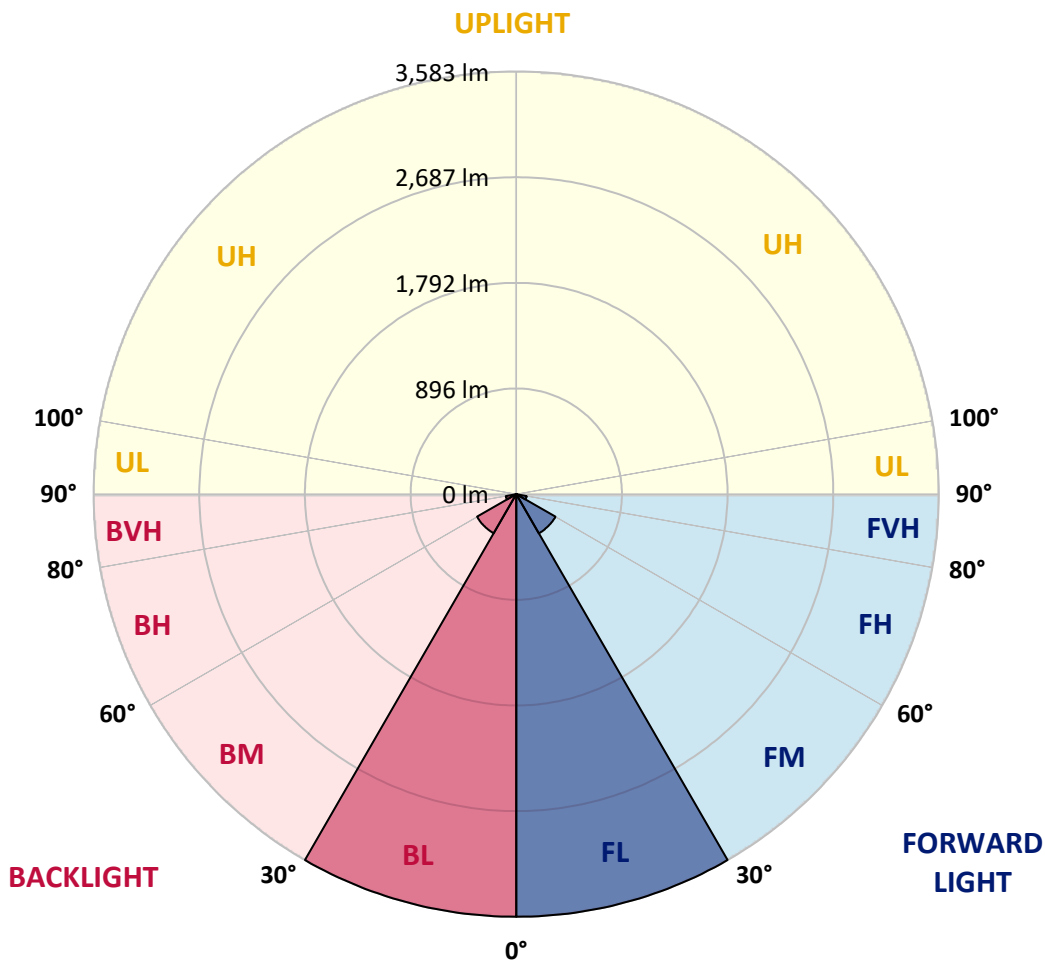


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3583.0	44.1			
FM (30°-60°)	383.4	4.7			
FH (60°-80°)	89.3	1.1			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	3583.0	44.1	B4/5000		
BM (30°-60°)	383.4	4.7	B1/1000		
BH (60°-80°)	89.3	1.1	B0/110		G0/660
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	241934.0	241934.0	241934.0	241934.0	241934.0	241934.0	241934.0	241934.0	241934.0	241934.0
1°	235210.0	235619.0	235692.8	235205.8	233963.9	234256.9	234219.0	234284.3	234162.0	233386.1
2°	222474.6	223079.8	222443.0	221076.7	218247.1	217572.3	215318.3	212802.9	210125.1	207441.0
3°	196478.9	197752.4	196843.6	198302.7	192563.4	191983.5	187243.6	180994.0	174660.1	169528.0
4°	152337.3	154690.4	155002.5	159818.3	155103.7	156577.5	151162.9	142480.1	133004.4	125755.4
5°	97102.9	100383.8	102235.0	106751.5	108923.2	114578.2	111940.5	103226.0	92276.6	83937.4
6°	49062.8	50848.7	55822.7	60788.2	66333.5	73837.7	74854.0	67204.4	58489.9	50486.0
7°	22870.9	23608.9	27117.5	28175.9	34516.2	42657.1	43795.7	39601.9	35005.4	28802.2
8°	11818.2	12104.9	13386.9	14173.4	17871.7	22554.7	23353.8	20713.9	18833.2	15712.6
9°	7278.6	7405.1	7885.8	8062.9	9446.1	11529.3	11811.8	10707.0	10196.7	9119.3
10°	5047.8	5115.2	5340.8	5387.2	5849.0	6534.3	6559.6	6196.9	6205.3	5935.4
12.5°	2690.5	2711.5	2774.8	2781.1	2869.7	2941.4	2924.5	2926.6	2962.4	2926.6
15°	1720.5	1731.1	1769.0	1777.5	1823.9	1849.2	1836.5	1834.4	1847.0	1823.9
17.5°	1227.1	1233.5	1260.9	1284.1	1313.6	1322.0	1317.8	1313.6	1313.6	1292.5
20°	957.3	965.7	984.7	1007.9	1022.6	1037.4	1039.5	1037.4	1031.1	1020.5
22.5°	813.9	818.1	824.4	835.0	845.5	851.8	856.1	858.2	856.1	851.8
25°	708.5	712.7	725.3	731.7	731.7	733.8	742.2	746.4	748.5	740.1
27.5°	522.9	533.5	552.4	563.0	563.0	567.2	573.5	581.9	590.4	575.6
30°	404.8	413.3	434.4	434.4	432.2	436.5	442.8	455.4	468.1	451.2
32.5°	364.8	364.8	369.0	371.1	371.1	377.4	381.6	392.2	402.7	398.5
35°	381.6	371.1	358.4	358.4	362.7	375.3	377.4	388.0	398.5	413.3
37.5°	554.5	522.9	476.5	468.1	468.1	482.8	476.5	482.8	501.8	556.6
40°	503.9	478.6	451.2	413.3	413.3	434.4	419.6	428.0	472.3	506.0
42.5°	449.1	449.1	419.6	383.7	383.7	394.3	390.1	394.3	444.9	472.3
45°	415.4	415.4	406.9	350.0	358.4	364.8	364.8	364.8	432.2	440.7
47.5°	396.4	396.4	375.3	322.6	333.1	335.3	339.5	335.3	388.0	417.5
50°	354.2	358.4	322.6	284.6	297.3	297.3	303.6	295.2	335.3	383.7
52.5°	305.7	310.0	255.1	225.6	240.4	238.3	246.7	234.0	265.7	333.1
55°	272.0	269.9	210.9	183.4	200.3	198.2	202.4	187.7	215.1	286.8
57.5°	236.2	240.4	172.9	149.7	168.7	164.5	170.8	153.9	177.1	255.1
60°	208.7	215.1	147.6	126.5	145.5	141.3	147.6	128.6	151.8	229.8
62.5°	200.3	200.3	130.7	107.5	126.5	122.3	126.5	107.5	134.9	210.9
65°	238.3	225.6	118.1	88.6	107.5	103.3	107.5	88.6	118.1	202.4
67.5°	316.3	301.5	111.8	69.6	86.4	80.1	86.4	71.7	103.3	189.8
70°	164.5	175.0	111.8	54.8	65.4	65.4	63.3	54.8	86.4	139.2
72.5°	94.9	97.0	86.4	42.2	50.6	54.8	48.5	42.2	63.3	103.3
75°	52.7	59.0	54.8	31.6	38.0	42.2	35.8	31.6	44.3	73.8
77.5°	31.6	35.8	31.6	21.1	25.3	23.2	25.3	21.1	29.5	48.5
80°	16.9	16.9	16.9	12.7	12.7	14.8	14.8	12.7	16.9	25.3
82.5°	6.3	6.3	6.3	4.2	6.3	6.3	6.3	8.4	8.4	10.5
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
241934.0
234151.5
208986.5
171474.1
127435.9
85006.5
51084.8
29552.8
16136.4
9353.3
6059.8
2966.7
1840.7
1298.8
1022.6
853.9
740.1
573.5
447.0
398.5
421.7
584.1
537.7
474.4
438.6
411.2
379.5
324.7
282.5
248.8
223.5
208.7
202.4
187.7
137.1
101.2
65.4
35.8
21.1
10.5
2.1
2.1
0.0

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