

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: P565302

Luminaire Tested: **IFLD-S-SA3A-AMB-U-5NQ**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565302
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-AMB-U-5NQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5NQ distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

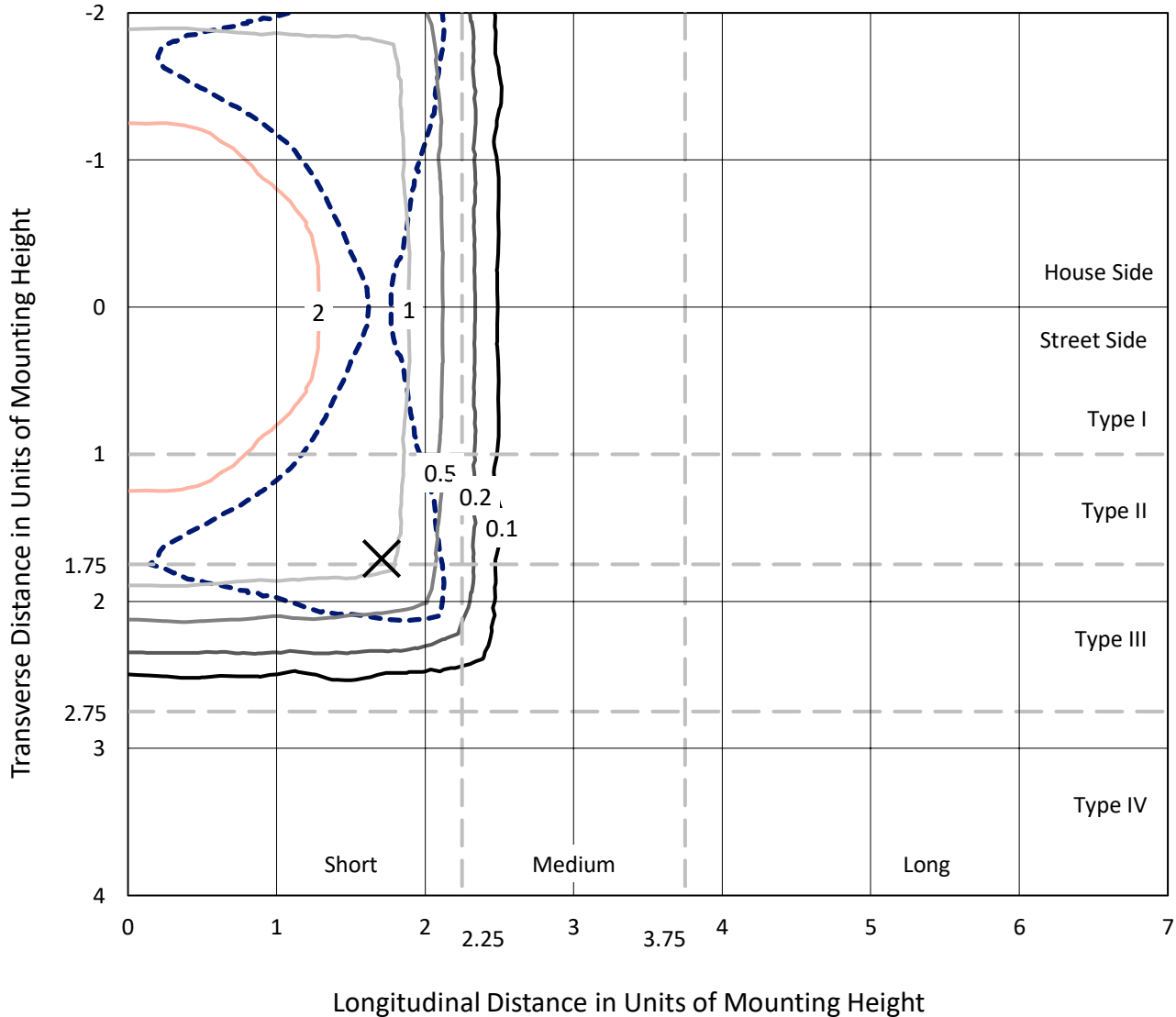
Lumens per Lamp: N/A
Luminaire Lumens: 3261.3 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 61.2
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: P565302
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Iso-Footcandle Lines of Horizontal Illumination

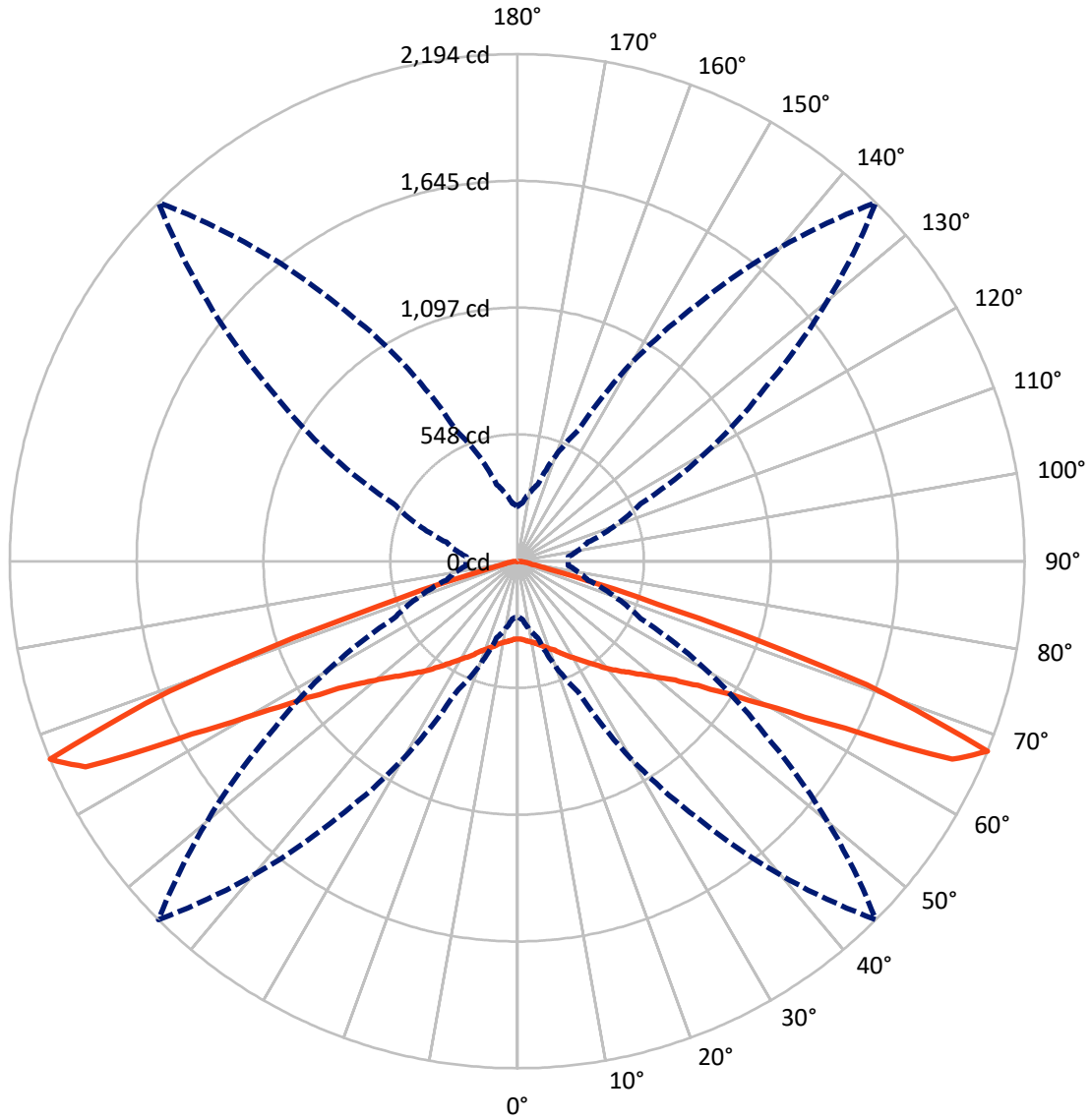
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P565302
CATALOG NUMBER: IFLD-S-SA3A-AMB-U-5N9

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P565302
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-5N9

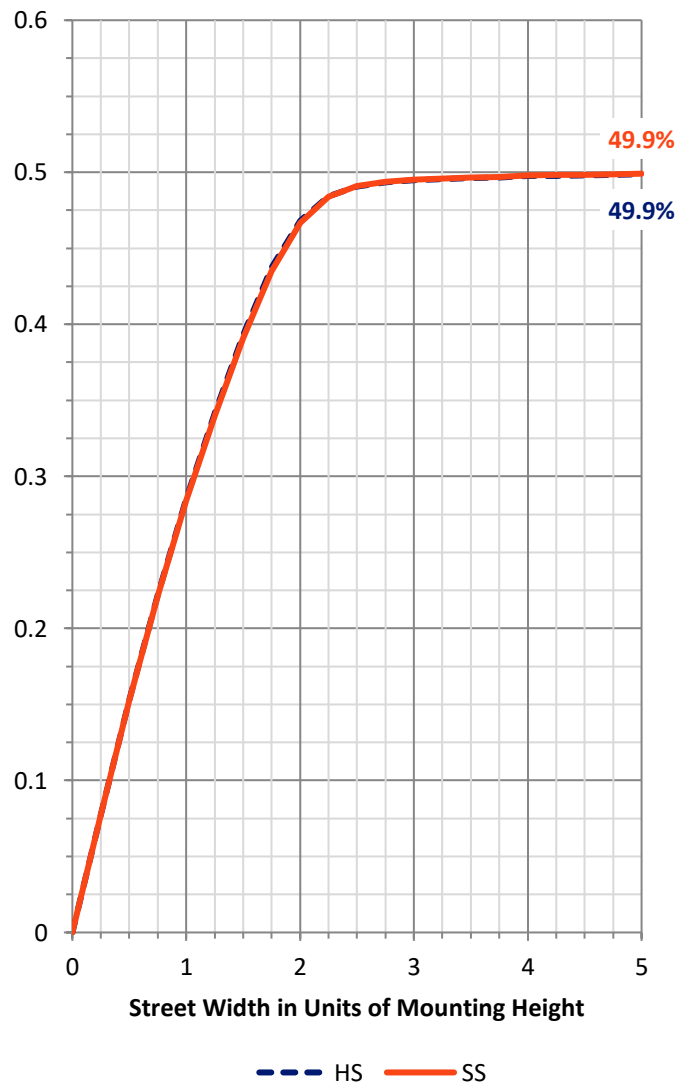
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.7	0.0	1630.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1630.7	0.0	1630.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3261.3	0.0	3261.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	1.0
10°-20°	107.8	3.3
20°-30°	205.8	6.3
30°-40°	347.2	10.6
40°-50°	552.7	16.9
50°-60°	884.6	27.1
60°-70°	987.0	30.3
70°-80°	127.3	3.9
80°-90°	15.7	0.5
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°	3261.3	100.0
0°-180°	3261.3	100.0

Coefficient of Utilization

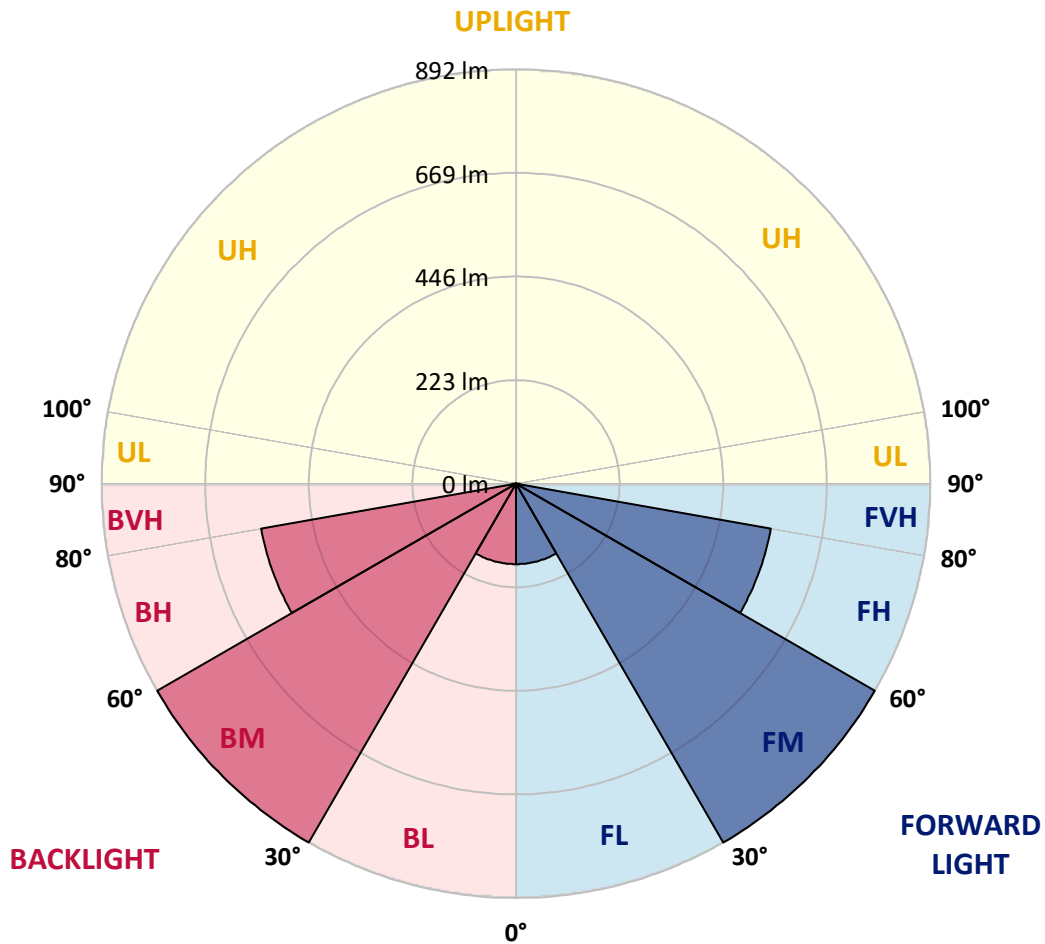


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.4	5.3			
FM (30°-60°)	892.3	27.4			
FH (60°-80°)	557.1	17.1			G0/660
FVH (80°-90°)	7.9	0.2			G0/10
BL (0°-30°)	173.4	5.3	B1/500		
BM (30°-60°)	892.3	27.4	B1/1000		
BH (60°-80°)	557.1	17.1	B2/1000		G0/660
BVH (80°-90°)	7.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	335.8	335.8	335.8	335.8	335.8	335.8	335.8	335.8	335.8	335.8	335.8
2.5°	335.8	335.8	335.8	335.8	335.8	337.4	337.4	337.4	339.0	339.0	339.0
5°	342.1	340.5	342.1	342.1	342.1	343.7	343.7	343.7	343.7	345.3	345.3
7.5°	350.1	350.1	350.1	350.1	350.1	350.1	350.1	350.1	350.1	351.7	351.7
10°	354.9	354.9	354.9	356.5	354.9	356.5	358.1	358.1	358.1	358.1	358.1
12.5°	362.9	362.9	364.5	364.5	364.5	364.5	366.1	366.1	366.1	366.1	366.1
15°	375.7	375.7	375.7	375.7	375.7	377.3	377.3	377.3	378.9	377.3	377.3
17.5°	386.9	386.9	388.5	388.5	388.5	390.1	391.7	390.1	391.7	390.1	390.1
20°	399.7	399.7	399.7	401.3	402.9	404.5	404.5	404.5	404.5	402.9	402.9
22.5°	415.7	414.1	415.7	417.3	417.3	418.9	420.5	420.5	420.5	418.9	418.9
25°	436.5	436.5	438.1	441.3	441.3	441.3	441.3	442.9	446.1	442.9	442.9
27.5°	457.3	457.3	460.5	463.7	462.1	463.7	463.7	466.9	466.9	466.9	465.3
30°	479.6	479.6	484.4	487.6	486.0	486.0	487.6	490.8	490.8	490.8	490.8
32.5°	505.2	506.8	511.6	514.8	511.6	513.2	514.8	518.0	518.0	514.8	516.4
35°	540.4	540.4	548.4	550.0	543.6	542.0	546.8	553.2	556.4	551.6	553.2
37.5°	569.2	570.8	582.0	585.2	582.0	575.6	583.6	591.6	594.8	588.4	586.8
40°	607.6	609.2	621.9	621.9	617.1	612.3	623.5	634.7	634.7	628.3	626.7
42.5°	649.1	649.1	666.7	666.7	655.5	649.1	663.5	679.5	681.1	671.5	669.9
45°	693.9	695.5	714.7	714.7	700.3	687.5	703.5	729.1	729.1	716.3	716.3
47.5°	737.1	737.1	757.8	762.6	746.6	733.9	753.0	778.6	775.4	756.2	751.4
50°	780.2	781.8	805.8	813.8	802.6	788.2	810.6	833.0	823.4	801.0	801.0
52.5°	855.4	853.8	877.8	881.0	869.8	855.4	877.8	900.1	892.1	873.0	868.2
55°	940.1	941.7	972.1	978.5	960.9	948.1	972.1	992.9	984.9	964.1	962.5
57.5°	1023.2	1028.0	1061.6	1090.4	1093.6	1085.6	1103.2	1111.2	1092.0	1064.8	1060.0
60°	1074.4	1082.4	1149.6	1213.5	1269.5	1291.8	1280.7	1251.9	1175.1	1103.2	1098.4
62.5°	968.9	981.7	1092.0	1267.9	1485.3	1592.4	1512.5	1304.6	1098.4	970.5	968.9
65°	613.9	642.7	815.4	1117.6	1574.8	2067.3	1598.8	1085.6	754.6	601.2	601.2
67.5°	236.6	252.6	343.7	623.5	1352.6	2193.6	1307.8	590.0	316.6	220.6	222.2
70°	81.5	84.7	108.7	209.4	655.5	1603.6	613.9	190.3	107.1	84.7	86.3
72.5°	57.6	59.2	64.0	78.3	182.3	636.3	158.3	79.9	65.6	59.2	59.2
75°	43.2	44.8	49.6	57.6	75.1	143.9	73.5	59.2	52.8	46.4	44.8
77.5°	30.4	32.0	35.2	41.6	51.2	65.6	54.4	48.0	43.2	38.4	36.8
80°	20.8	22.4	27.2	28.8	32.0	46.4	41.6	40.0	35.2	28.8	27.2
82.5°	11.2	12.8	19.2	20.8	20.8	27.2	28.8	30.4	27.2	20.8	19.2
85°	6.4	6.4	9.6	11.2	12.8	12.8	16.0	19.2	20.8	12.8	12.8
87.5°	1.6	1.6	1.6	3.2	3.2	3.2	6.4	8.0	9.6	4.8	4.8
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)