

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: P525236

Luminaire Tested: **IFLD-S-SA3A-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525236
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

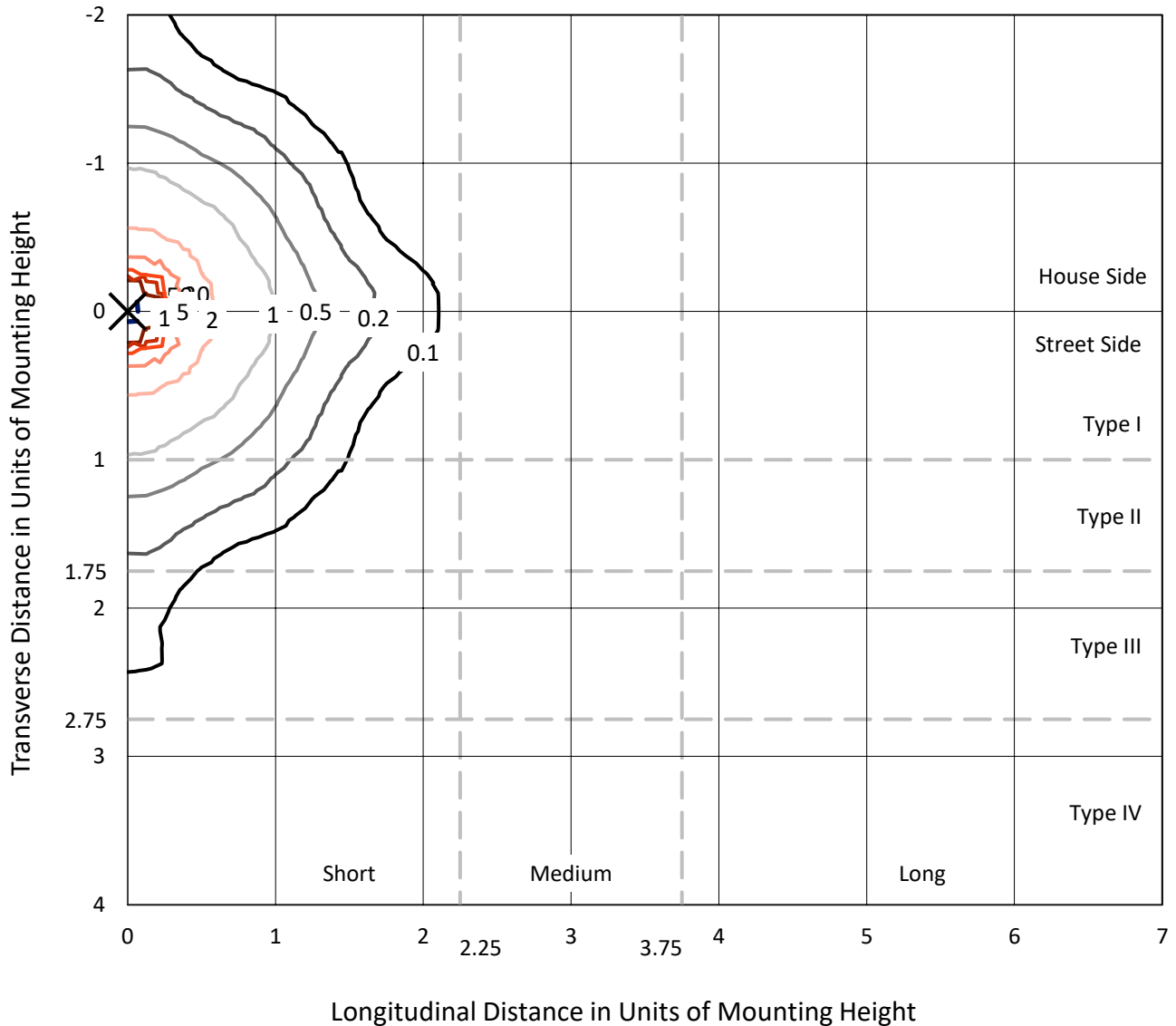
Lumens per Lamp: N/A
Luminaire Lumens: 5026.3 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.8
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: P525236
 CATALOG NUMBER: IFLD-S-SA3A-927-U-11

Iso-Footcandle Lines of Horizontal Illumination

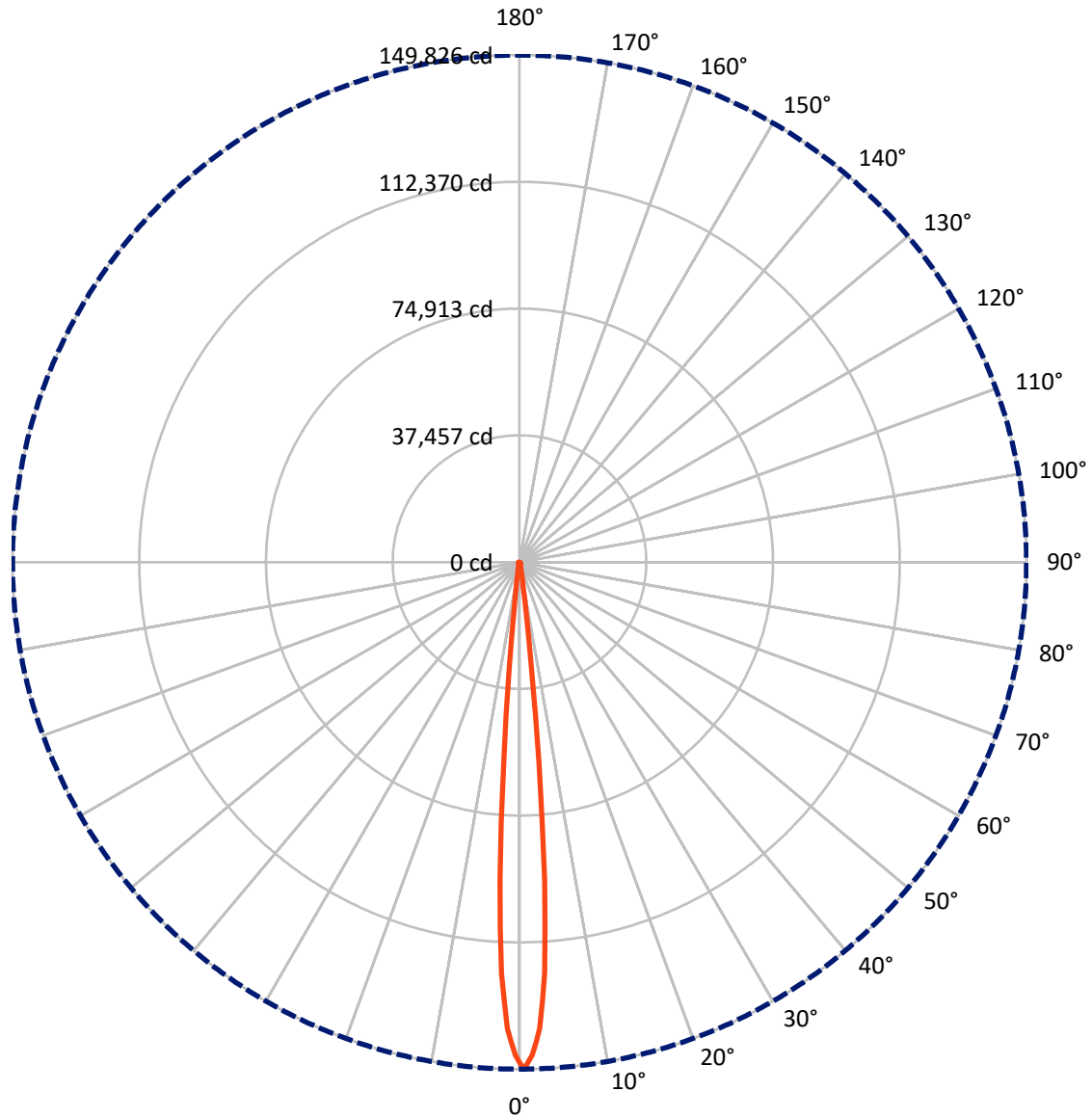
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1498.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525236
CATALOG NUMBER: IFLD-S-SA3A-927-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525236
 CATALOG NUMBER: IFLD-S-SA3A-927-U-11

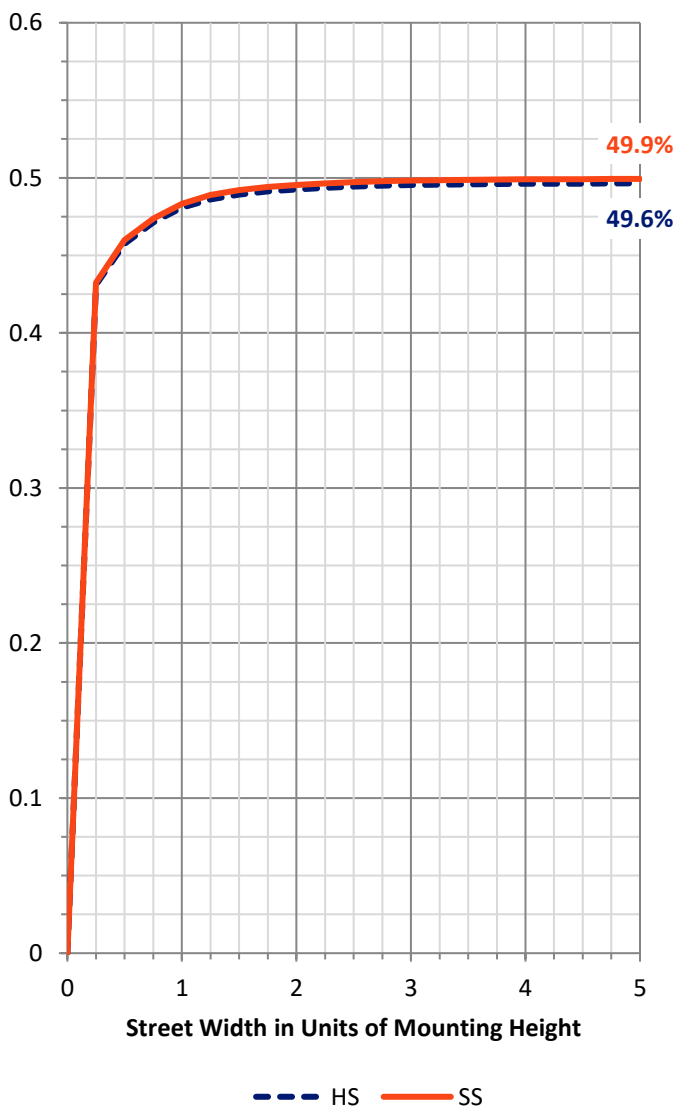
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2513.1	0.0	2513.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2513.1	0.0	2513.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5026.3	0.0	5026.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3860.2	76.8
10°-20°	376.5	7.5
20°-30°	201.1	4.0
30°-40°	165.9	3.3
40°-50°	184.7	3.7
50°-60°	124.2	2.5
60°-70°	79.3	1.6
70°-80°	31.3	0.6
80°-90°	3.1	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°	5026.3	100.0
0°-180°	5026.3	100.0

Coefficient of Utilization



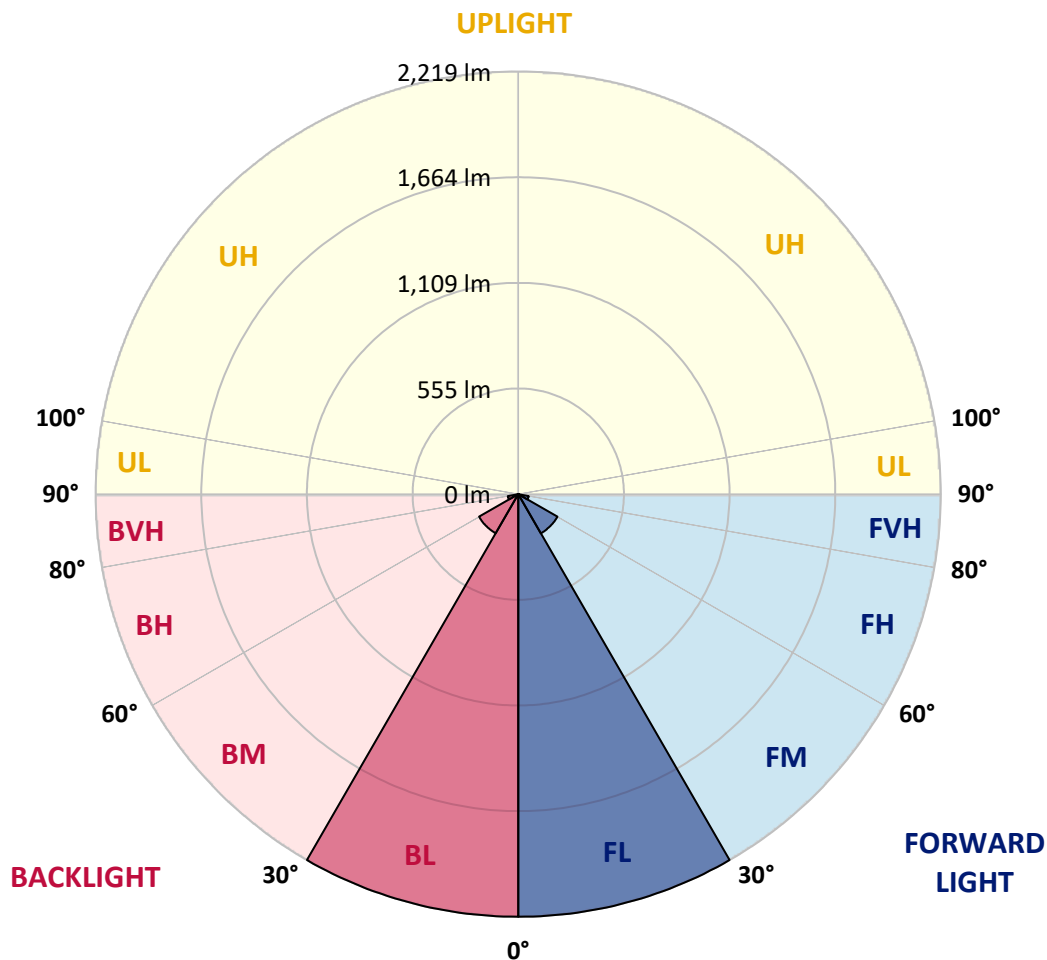
REPORT NUMBER: P525236
 CATALOG NUMBER: IFLD-S-SA3A-927-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2218.9	44.1			
FM (30°-60°)	237.4	4.7			
FH (60°-80°)	55.3	1.1			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	2218.9	44.1	B3/2500		
BM (30°-60°)	237.4	4.7	B1/1000		
BH (60°-80°)	55.3	1.1	B0/110		G0/660
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P525236
 CATALOG NUMBER: IFLD-S-SA3A-927-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	149826.2	149826.2	149826.2	149826.2	149826.2	149826.2	149826.2	149826.2	149826.2	149826.2
1°	145662.1	145915.4	145961.1	145659.5	144890.4	145071.9	145048.4	145088.9	145013.1	144532.6
2°	137775.3	138150.0	137755.7	136909.5	135157.2	134739.4	133343.5	131785.7	130127.4	128465.1
3°	121676.5	122465.2	121902.4	122806.0	119251.7	118892.6	115957.2	112086.9	108164.4	104986.2
4°	94340.3	95797.5	95990.8	98973.1	96053.4	96966.2	93613.0	88235.8	82367.7	77878.5
5°	60134.4	62166.2	63312.7	66109.6	67454.6	70956.6	69323.1	63926.4	57145.5	51981.2
6°	30383.9	31489.8	34570.1	37645.2	41079.4	45726.6	46356.0	41618.7	36221.9	31265.3
7°	14163.6	14620.7	16793.5	17448.9	21375.4	26416.9	27122.1	24524.9	21678.3	17836.8
8°	7318.8	7496.4	8290.3	8777.4	11067.7	13967.8	14462.7	12827.8	11663.1	9730.6
9°	4507.5	4585.8	4883.6	4993.2	5849.8	7139.9	7314.9	6630.7	6314.7	5647.4
10°	3126.0	3167.8	3307.5	3336.2	3622.2	4046.6	4062.2	3837.6	3842.9	3675.7
12.5°	1666.2	1679.2	1718.4	1722.3	1777.1	1821.5	1811.1	1812.4	1834.6	1812.4
15°	1065.5	1072.0	1095.5	1100.8	1129.5	1145.2	1137.3	1136.0	1143.9	1129.5
17.5°	760.0	763.9	780.8	795.2	813.5	818.7	816.1	813.5	813.5	800.4
20°	592.8	598.0	609.8	624.2	633.3	642.4	643.7	642.4	638.5	632.0
22.5°	504.0	506.6	510.6	517.1	523.6	527.5	530.1	531.4	530.1	527.5
25°	438.7	441.3	449.2	453.1	453.1	454.4	459.6	462.2	463.5	458.3
27.5°	323.8	330.4	342.1	348.6	348.6	351.3	355.2	360.4	365.6	356.5
30°	250.7	255.9	269.0	269.0	267.7	270.3	274.2	282.0	289.9	279.4
32.5°	225.9	225.9	228.5	229.8	229.8	233.7	236.3	242.9	249.4	246.8
35°	236.3	229.8	222.0	222.0	224.6	232.4	233.7	240.3	246.8	255.9
37.5°	343.4	323.8	295.1	289.9	289.9	299.0	295.1	299.0	310.8	344.7
40°	312.1	296.4	279.4	255.9	255.9	269.0	259.8	265.1	292.5	313.4
42.5°	278.1	278.1	259.8	237.6	237.6	244.2	241.6	244.2	275.5	292.5
45°	257.2	257.2	252.0	216.8	222.0	225.9	225.9	225.9	267.7	272.9
47.5°	245.5	245.5	232.4	199.8	206.3	207.6	210.2	207.6	240.3	258.5
50°	219.4	222.0	199.8	176.3	184.1	184.1	188.0	182.8	207.6	237.6
52.5°	189.3	191.9	158.0	139.7	148.9	147.6	152.8	144.9	164.5	206.3
55°	168.4	167.1	130.6	113.6	124.0	122.7	125.4	116.2	133.2	177.6
57.5°	146.2	148.9	107.1	92.7	104.5	101.8	105.8	95.3	109.7	158.0
60°	129.3	133.2	91.4	78.3	90.1	87.5	91.4	79.7	94.0	142.3
62.5°	124.0	124.0	81.0	66.6	78.3	75.7	78.3	66.6	83.6	130.6
65°	147.6	139.7	73.1	54.8	66.6	64.0	66.6	54.8	73.1	125.4
67.5°	195.9	186.7	69.2	43.1	53.5	49.6	53.5	44.4	64.0	117.5
70°	101.8	108.4	69.2	33.9	40.5	40.5	39.2	33.9	53.5	86.2
72.5°	58.8	60.1	53.5	26.1	31.3	33.9	30.0	26.1	39.2	64.0
75°	32.6	36.6	33.9	19.6	23.5	26.1	22.2	19.6	27.4	45.7
77.5°	19.6	22.2	19.6	13.1	15.7	14.4	15.7	13.1	18.3	30.0
80°	10.4	10.4	10.4	7.8	7.8	9.1	9.1	7.8	10.4	15.7
82.5°	3.9	3.9	3.9	2.6	3.9	3.9	3.9	5.2	5.2	6.5
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
149826.2
145006.6
129422.3
106191.4
78919.2
52643.3
31636.1
18301.6
9993.0
5792.4
3752.8
1837.2
1139.9
804.4
633.3
528.8
458.3
355.2
276.8
246.8
261.2
361.7
333.0
293.8
271.6
254.6
235.0
201.1
175.0
154.1
138.4
129.3
125.4
116.2
84.9
62.7
40.5
22.2
13.1
6.5
1.3
1.3
0.0

OF REPORT)