

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: P525352

Luminaire Tested: **IFLD-S-SA2E-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525352
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

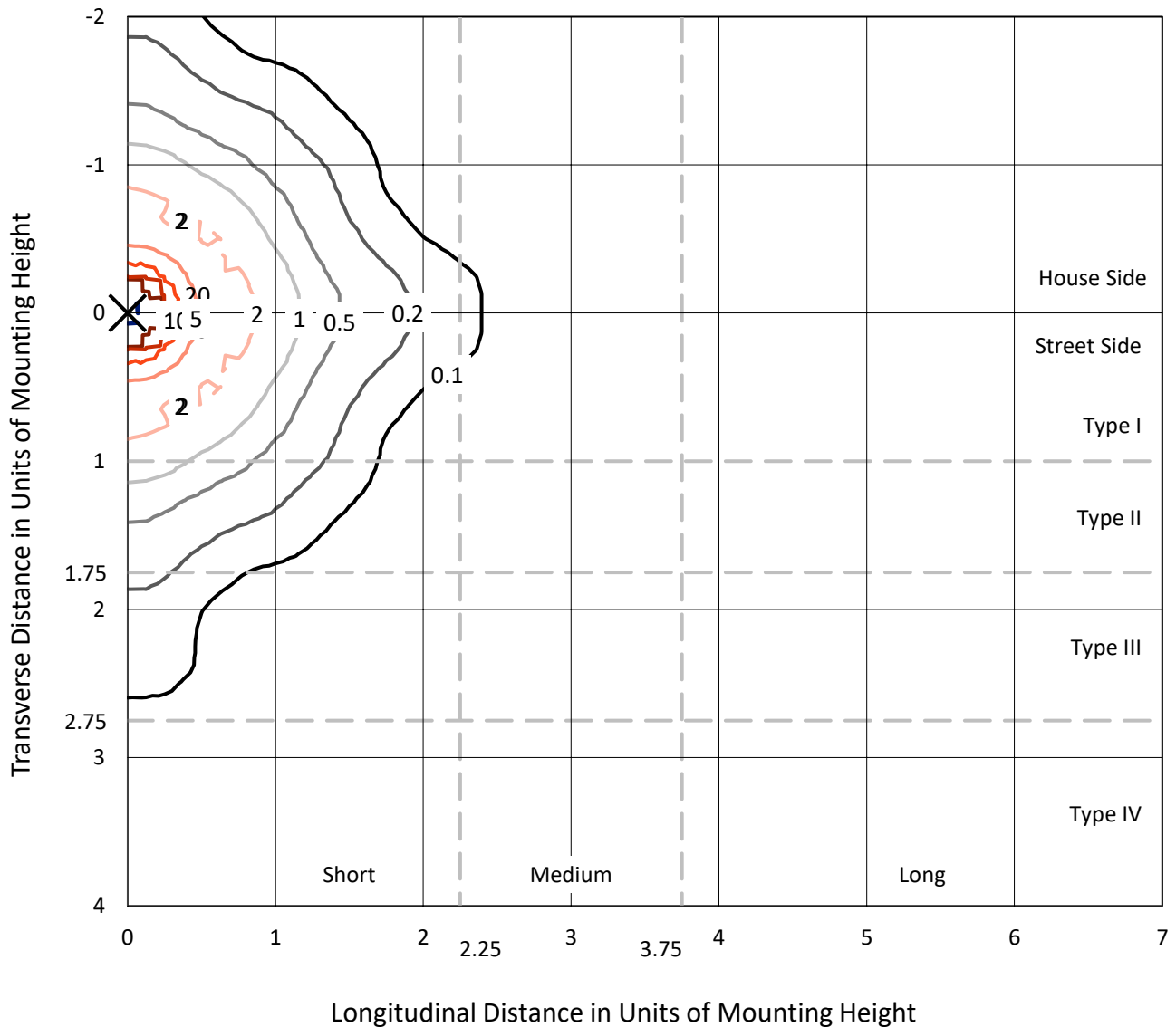
Lumens per Lamp: N/A
Luminaire Lumens: 7547.3 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 156.2
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

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Iso-Footcandle Lines of Horizontal Illumination

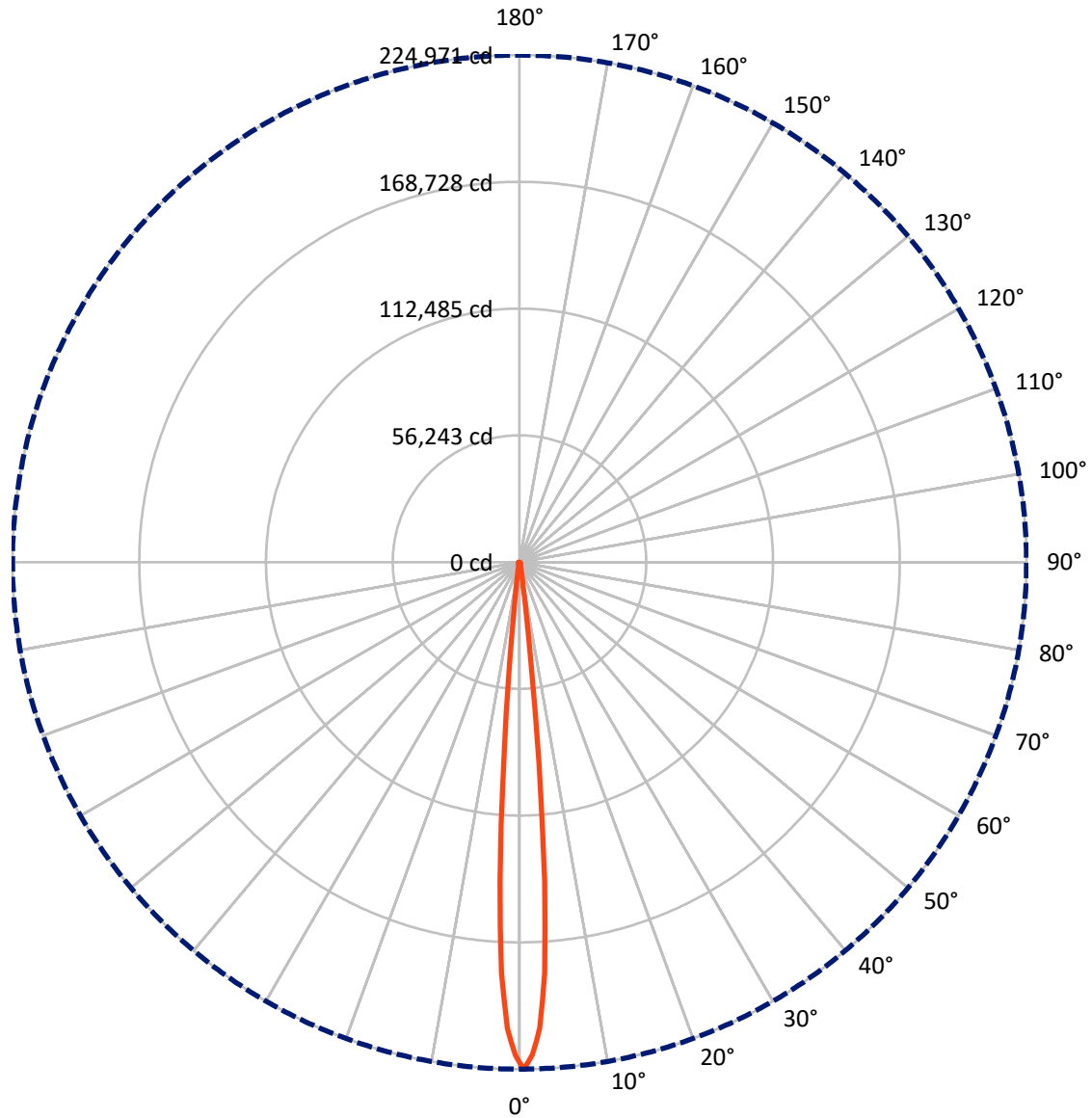
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2249.7 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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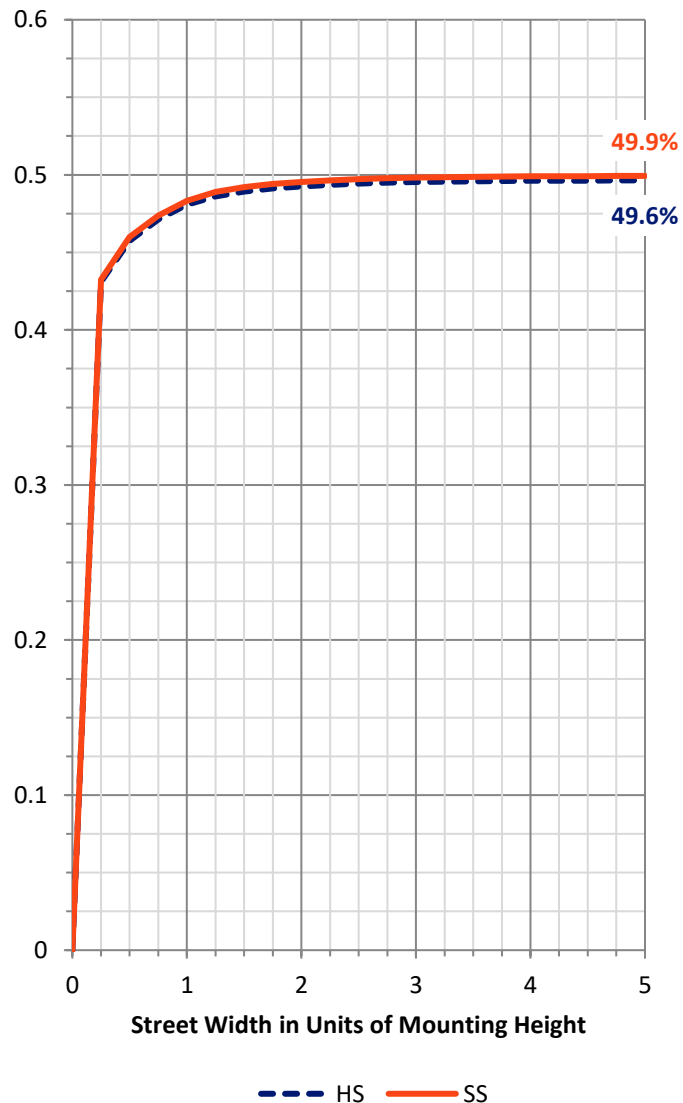
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3773.6	0.0	3773.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3773.6	0.0	3773.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7547.3	0.0	7547.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5796.3	76.8
10°-20°	565.3	7.5
20°-30°	302.0	4.0
30°-40°	249.1	3.3
40°-50°	277.4	3.7
50°-60°	186.5	2.5
60°-70°	119.0	1.6
70°-80°	47.0	0.6
80°-90°	4.6	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°	7547.3	100.0
0°-180°	7547.3	100.0

Coefficient of Utilization



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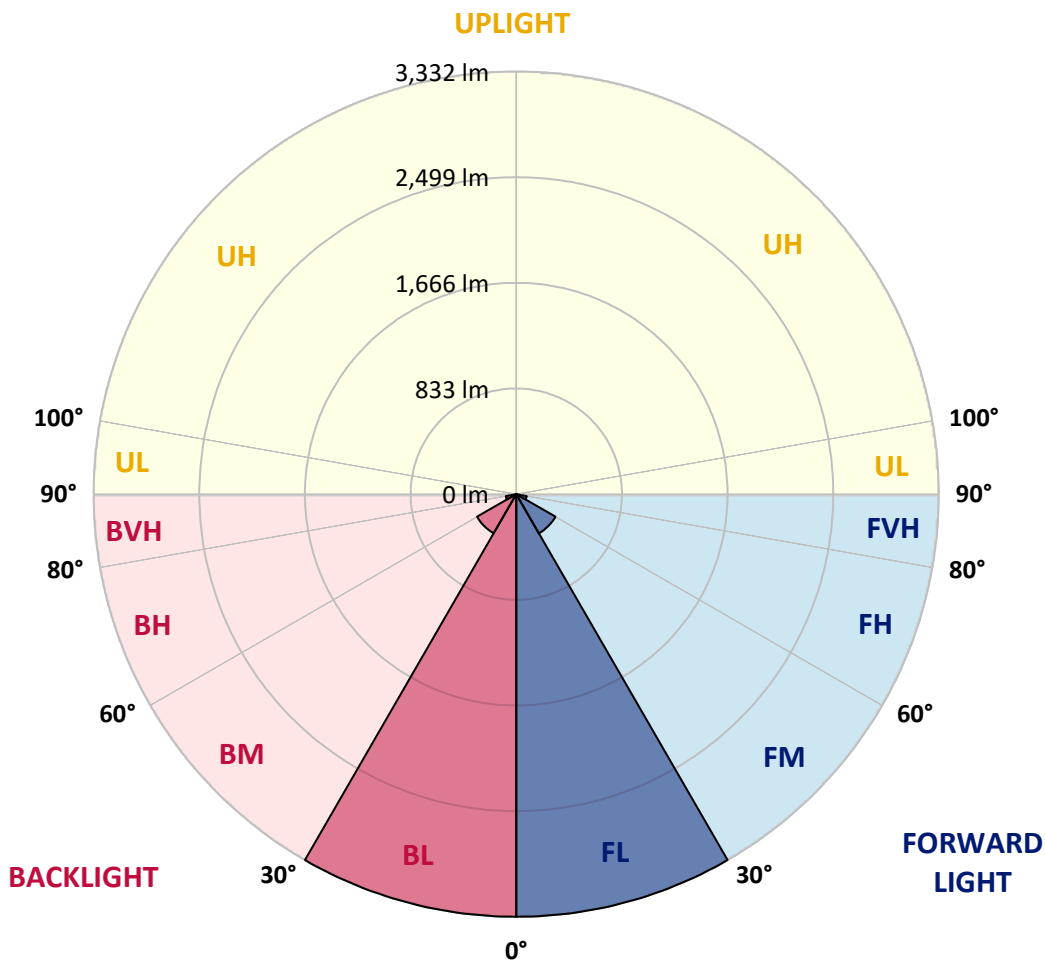
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3331.8	44.1			
FM (30°-60°)	356.5	4.7			
FH (60°-80°)	83.0	1.1			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	3331.8	44.1	B4/5000		
BM (30°-60°)	356.5	4.7	B1/1000		
BH (60°-80°)	83.0	1.1	B0/110		G0/660
BVH (80°-90°)	2.3	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°	224970.5	224970.5	224970.5	224970.5	224970.5	224970.5	224970.5	224970.5	224970.5	224970.5
1°	218717.9	219098.3	219166.9	218714.0	217559.1	217831.7	217796.4	217857.2	217743.5	217021.9
2°	206875.5	207438.2	206846.1	205575.6	202944.4	202317.0	200221.0	197881.9	195391.9	192896.0
3°	182702.5	183886.7	183041.7	184398.4	179061.5	178522.3	174114.8	168303.4	162413.5	157641.3
4°	141656.0	143844.1	144134.3	148612.4	144228.4	145598.9	140563.9	132489.9	123678.7	116937.9
5°	90294.4	93345.2	95066.7	99266.4	101285.9	106544.4	104091.6	95988.2	85806.5	78052.1
6°	45622.7	47283.4	51908.6	56525.9	61682.5	68660.5	69605.5	62492.2	54388.8	46946.1
7°	21267.3	21953.5	25216.1	26200.3	32096.1	39666.2	40724.9	36825.2	32550.9	26782.7
8°	10989.5	11256.2	12448.3	13179.6	16618.6	20973.2	21716.3	19261.6	17512.6	14610.9
9°	6768.2	6885.9	7332.9	7497.6	8783.8	10720.9	10983.6	9956.2	9481.8	8479.9
10°	4693.8	4756.6	4966.4	5009.5	5438.9	6076.1	6099.6	5762.4	5770.2	5519.3
12.5°	2501.8	2521.4	2580.2	2586.1	2668.5	2735.1	2719.4	2721.4	2754.7	2721.4
15°	1599.9	1609.7	1645.0	1652.8	1696.0	1719.5	1707.7	1705.8	1717.5	1696.0
17.5°	1141.1	1147.0	1172.5	1194.0	1221.5	1229.3	1225.4	1221.5	1221.5	1201.9
20°	890.1	898.0	915.6	937.2	950.9	964.6	966.6	964.6	958.8	949.0
22.5°	756.8	760.7	766.6	776.4	786.2	792.1	796.0	798.0	796.0	792.1
25°	658.8	662.7	674.5	680.4	680.4	682.3	690.2	694.1	696.0	688.2
27.5°	486.2	496.0	513.7	523.5	523.5	527.4	533.3	541.1	549.0	535.3
30°	376.4	384.3	403.9	403.9	401.9	405.9	411.7	423.5	435.3	419.6
32.5°	339.2	339.2	343.1	345.1	345.1	351.0	354.9	364.7	374.5	370.6
35°	354.9	345.1	333.3	333.3	337.2	349.0	351.0	360.8	370.6	384.3
37.5°	515.7	486.2	443.1	435.3	435.3	449.0	443.1	449.0	466.6	517.6
40°	468.6	445.1	419.6	384.3	384.3	403.9	390.2	398.0	439.2	470.6
42.5°	417.6	417.6	390.2	356.8	356.8	366.6	362.7	366.6	413.7	439.2
45°	386.3	386.3	378.4	325.5	333.3	339.2	339.2	339.2	401.9	409.8
47.5°	368.6	368.6	349.0	300.0	309.8	311.7	315.7	311.7	360.8	388.2
50°	329.4	333.3	300.0	264.7	276.5	276.5	282.3	274.5	311.7	356.8
52.5°	284.3	288.2	237.2	209.8	223.5	221.6	229.4	217.6	247.0	309.8
55°	252.9	251.0	196.1	170.6	186.3	184.3	188.2	174.5	200.0	266.7
57.5°	219.6	223.5	160.8	139.2	156.9	152.9	158.8	143.1	164.7	237.2
60°	194.1	200.0	137.2	117.6	135.3	131.4	137.2	119.6	141.2	213.7
62.5°	186.3	186.3	121.6	100.0	117.6	113.7	117.6	100.0	125.5	196.1
65°	221.6	209.8	109.8	82.3	100.0	96.1	100.0	82.3	109.8	188.2
67.5°	294.1	280.4	103.9	64.7	80.4	74.5	80.4	66.7	96.1	176.5
70°	152.9	162.7	103.9	51.0	60.8	60.8	58.8	51.0	80.4	129.4
72.5°	88.2	90.2	80.4	39.2	47.1	51.0	45.1	39.2	58.8	96.1
75°	49.0	54.9	51.0	29.4	35.3	39.2	33.3	29.4	41.2	68.6
77.5°	29.4	33.3	29.4	19.6	23.5	21.6	23.5	19.6	27.4	45.1
80°	15.7	15.7	15.7	11.8	11.8	13.7	13.7	11.8	15.7	23.5
82.5°	5.9	5.9	5.9	3.9	5.9	5.9	5.9	7.8	7.8	9.8
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
224970.5
217733.6
194333.1
159451.0
118500.5
79046.1
47503.0
27480.7
15005.0
8697.5
5634.9
2758.7
1711.7
1207.8
950.9
794.1
688.2
533.3
415.7
370.6
392.1
543.1
500.0
441.1
407.8
382.3
352.9
301.9
262.7
231.4
207.8
194.1
188.2
174.5
127.4
94.1
60.8
33.3
19.6
9.8
2.0
2.0
0.0

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