

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: P525265

Luminaire Tested: **IFLD-L-SA7E-927-U-11**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525265
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

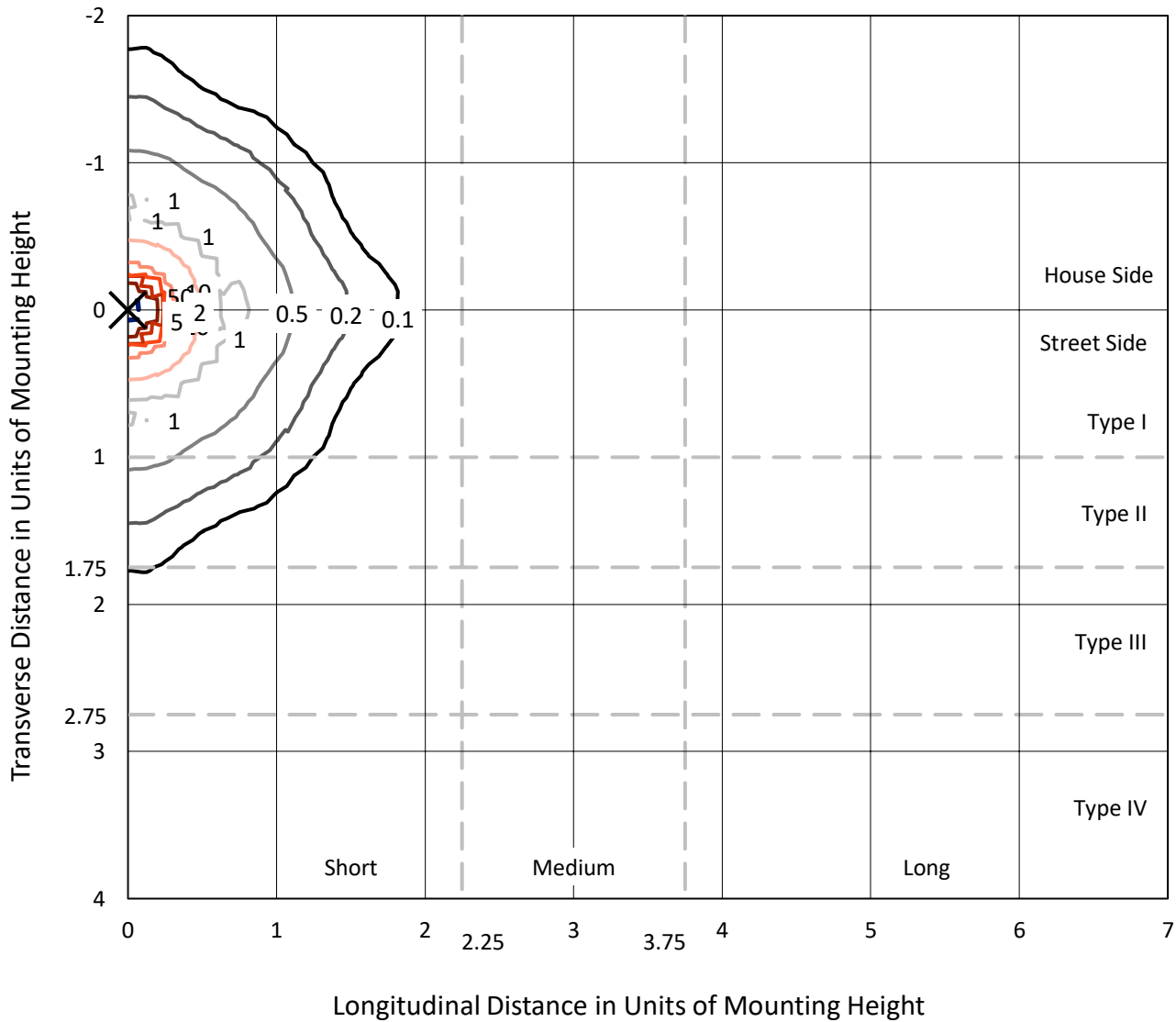
Lumens per Lamp: N/A
Luminaire Lumens: 20623.1 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 532.7
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

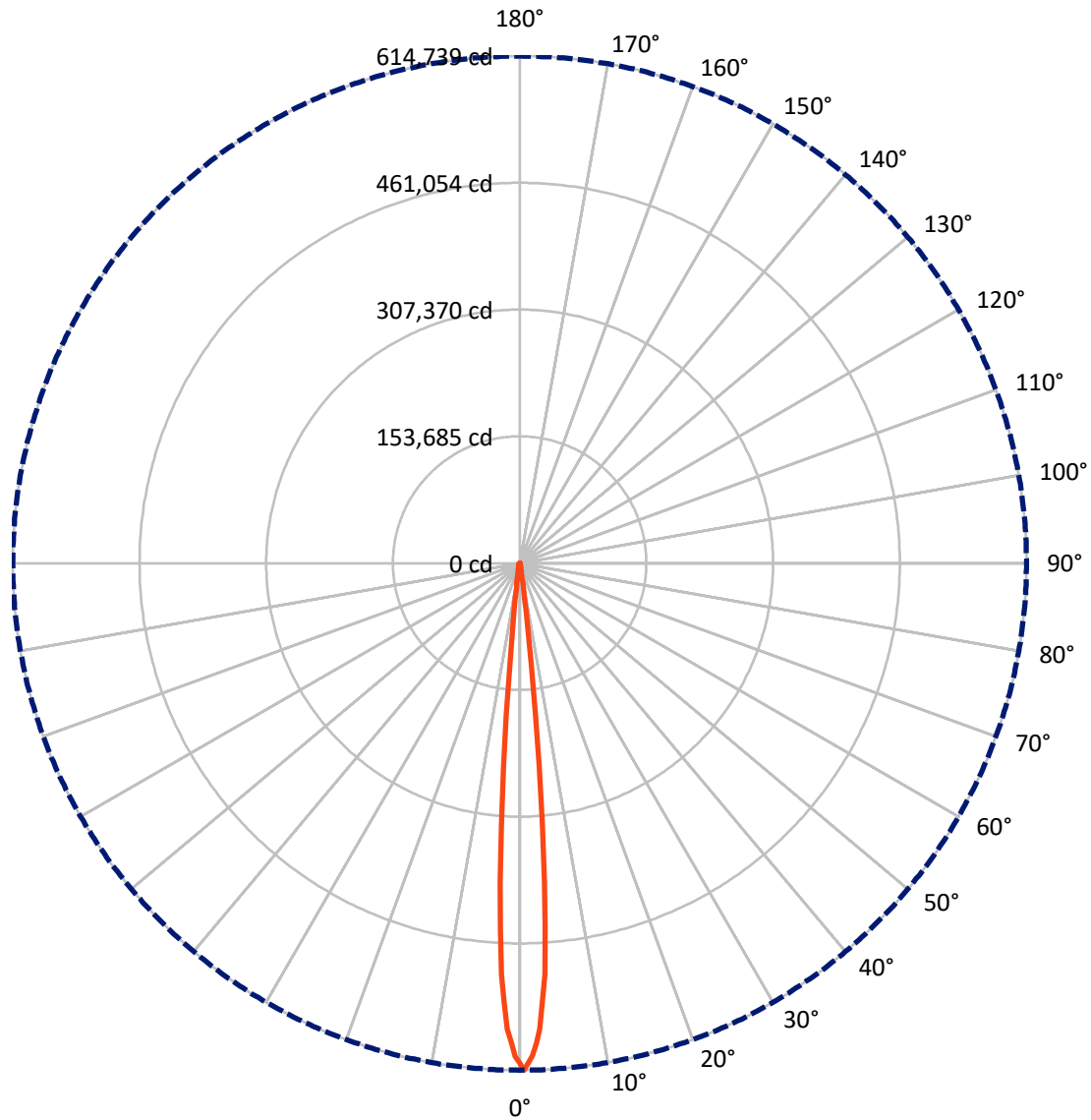
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 983.6 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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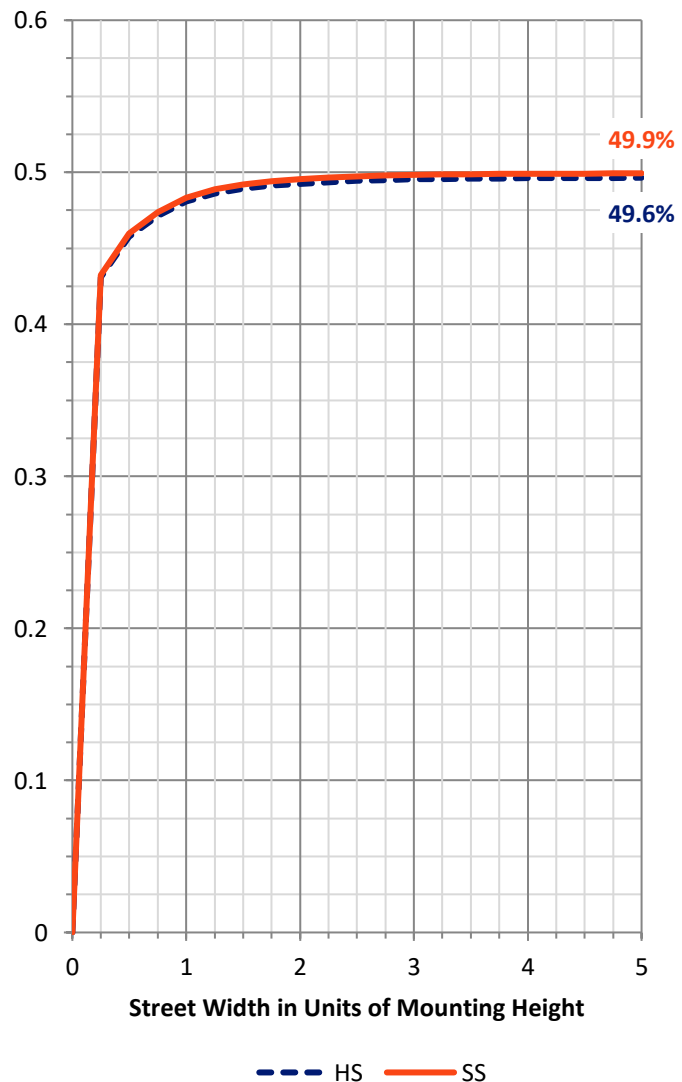
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10311.6	0.0	10311.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10311.6	0.0	10311.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20623.1	0.0	20623.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15838.5	76.8
10°-20°	1544.8	7.5
20°-30°	825.3	4.0
30°-40°	680.7	3.3
40°-50°	757.9	3.7
50°-60°	509.7	2.5
60°-70°	325.2	1.6
70°-80°	128.4	0.6
80°-90°	12.6	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°	20623.1	100.0
0°-180°	20623.1	100.0

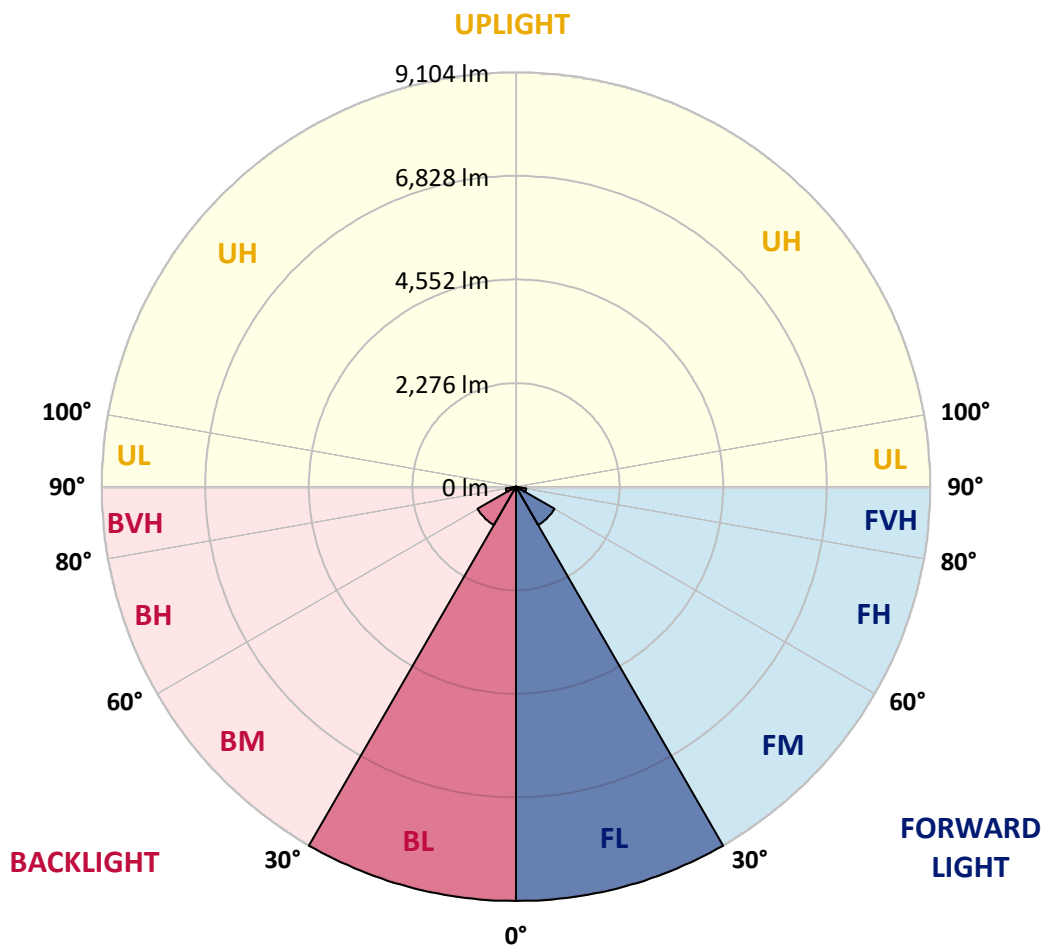


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9104.3	44.1			
FM (30°-60°)	974.1	4.7			
FH (60°-80°)	226.8	1.1			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	9104.3	44.1	B5		
BM (30°-60°)	974.1	4.7	B1/1000		
BH (60°-80°)	226.8	1.1	B1/500		G0/660
BVH (80°-90°)	6.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	614739.1	614739.1	614739.1	614739.1	614739.1	614739.1	614739.1	614739.1	614739.1	614739.1
1°	597653.7	598693.1	598880.6	597643.0	594487.4	595232.1	595135.7	595301.8	594991.0	593019.4
2°	565294.0	566831.6	565213.6	561741.9	554552.0	552837.6	547110.4	540718.8	533914.7	527094.5
3°	499240.4	502476.4	500167.3	503874.7	489291.4	487818.1	475774.2	459894.4	443800.2	430759.9
4°	387079.6	393058.6	393851.5	406088.2	394108.7	397853.6	384095.4	362032.9	337955.9	319536.6
5°	246732.5	255068.9	259772.8	271248.7	276767.1	291136.1	284433.7	262290.9	234469.0	213279.8
6°	124665.5	129203.3	141841.8	154458.9	168549.4	187617.0	190199.3	170762.0	148619.2	128281.8
7°	58113.6	59988.8	68903.8	71593.3	87703.5	108389.1	111282.2	100626.0	88946.5	73184.5
8°	30029.2	30757.8	34015.3	36013.6	45410.8	57310.0	59340.5	52632.8	47853.9	39924.7
9°	18494.4	18815.8	20037.3	20487.4	24001.9	29295.2	30013.1	27205.8	25909.2	23171.5
10°	12826.0	12997.5	13570.7	13688.6	14861.9	16603.1	16667.4	15745.9	15767.3	15081.6
12.5°	6836.3	6889.8	7050.6	7066.6	7291.7	7473.8	7431.0	7436.3	7527.4	7436.3
15°	4371.8	4398.6	4495.0	4516.4	4634.3	4698.6	4666.4	4661.1	4693.2	4634.3
17.5°	3118.1	3134.2	3203.8	3262.8	3337.8	3359.2	3348.5	3337.8	3337.8	3284.2
20°	2432.3	2453.8	2502.0	2560.9	2598.4	2635.9	2641.3	2635.9	2619.9	2593.1
22.5°	2068.0	2078.7	2094.8	2121.6	2148.4	2164.5	2175.2	2180.5	2175.2	2164.5
25°	1800.1	1810.9	1843.0	1859.1	1859.1	1864.4	1885.9	1896.6	1901.9	1880.5
27.5°	1328.7	1355.5	1403.7	1430.5	1430.5	1441.2	1457.3	1478.7	1500.1	1462.6
30°	1028.7	1050.1	1103.7	1103.7	1098.3	1109.0	1125.1	1157.2	1189.4	1146.5
32.5°	926.9	926.9	937.6	942.9	942.9	959.0	969.7	996.5	1023.3	1012.6
35°	969.7	942.9	910.8	910.8	921.5	953.6	959.0	985.8	1012.6	1050.1
37.5°	1409.0	1328.7	1210.8	1189.4	1189.4	1226.9	1210.8	1226.9	1275.1	1414.4
40°	1280.5	1216.2	1146.5	1050.1	1050.1	1103.7	1066.2	1087.6	1200.1	1285.8
42.5°	1141.2	1141.2	1066.2	975.1	975.1	1001.9	991.2	1001.9	1130.4	1200.1
45°	1055.4	1055.4	1034.0	889.4	910.8	926.9	926.9	926.9	1098.3	1119.7
47.5°	1007.2	1007.2	953.6	819.7	846.5	851.9	862.6	851.9	985.8	1060.8
50°	900.1	910.8	819.7	723.3	755.4	755.4	771.5	750.1	851.9	975.1
52.5°	776.8	787.6	648.3	573.3	610.8	605.4	626.8	594.7	675.1	846.5
55°	691.1	685.8	535.8	466.1	509.0	503.6	514.3	476.8	546.5	728.6
57.5°	600.0	610.8	439.3	380.4	428.6	417.9	434.0	391.1	450.0	648.3
60°	530.4	546.5	375.0	321.5	369.7	359.0	375.0	326.8	385.7	584.0
62.5°	509.0	509.0	332.2	273.2	321.5	310.7	321.5	273.2	342.9	535.8
65°	605.4	573.3	300.0	225.0	273.2	262.5	273.2	225.0	300.0	514.3
67.5°	803.6	766.1	284.0	176.8	219.7	203.6	219.7	182.2	262.5	482.2
70°	417.9	444.7	284.0	139.3	166.1	166.1	160.7	139.3	219.7	353.6
72.5°	241.1	246.4	219.7	107.2	128.6	139.3	123.2	107.2	160.7	262.5
75°	133.9	150.0	139.3	80.4	96.4	107.2	91.1	80.4	112.5	187.5
77.5°	80.4	91.1	80.4	53.6	64.3	58.9	64.3	53.6	75.0	123.2
80°	42.9	42.9	42.9	32.1	32.1	37.5	37.5	32.1	42.9	64.3
82.5°	16.1	16.1	16.1	10.7	16.1	16.1	16.1	21.4	21.4	26.8
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	0.0	0.0	0.0	0.0	0.0	5.4	5.4	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

614739.1
594964.2
531021.6
435704.9
323806.6
215996.1
129803.4
75091.8
41001.5
23766.2
15397.7
7538.1
4677.2
3300.3
2598.4
2169.8
1880.5
1457.3
1135.8
1012.6
1071.5
1484.0
1366.2
1205.5
1114.4
1044.7
964.4
825.1
717.9
632.2
567.9
530.4
514.3
476.8
348.2
257.2
166.1
91.1
53.6
26.8
5.4
5.4
0.0

OF REPORT)