

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: P525385

Luminaire Tested: **IFLD-L-SA8C-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525385
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

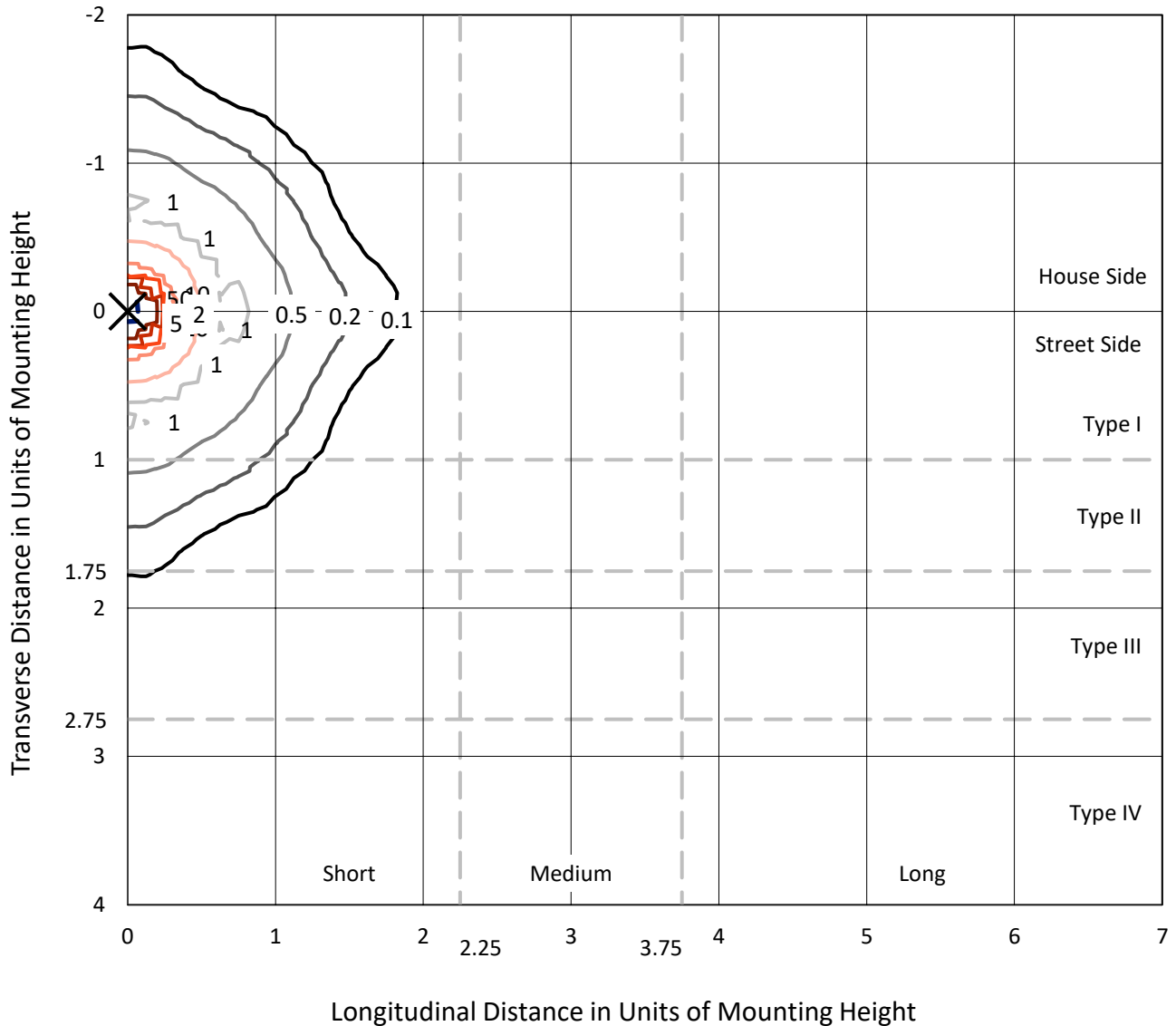
Lumens per Lamp: N/A
Luminaire Lumens: 20781.6 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 420.3
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

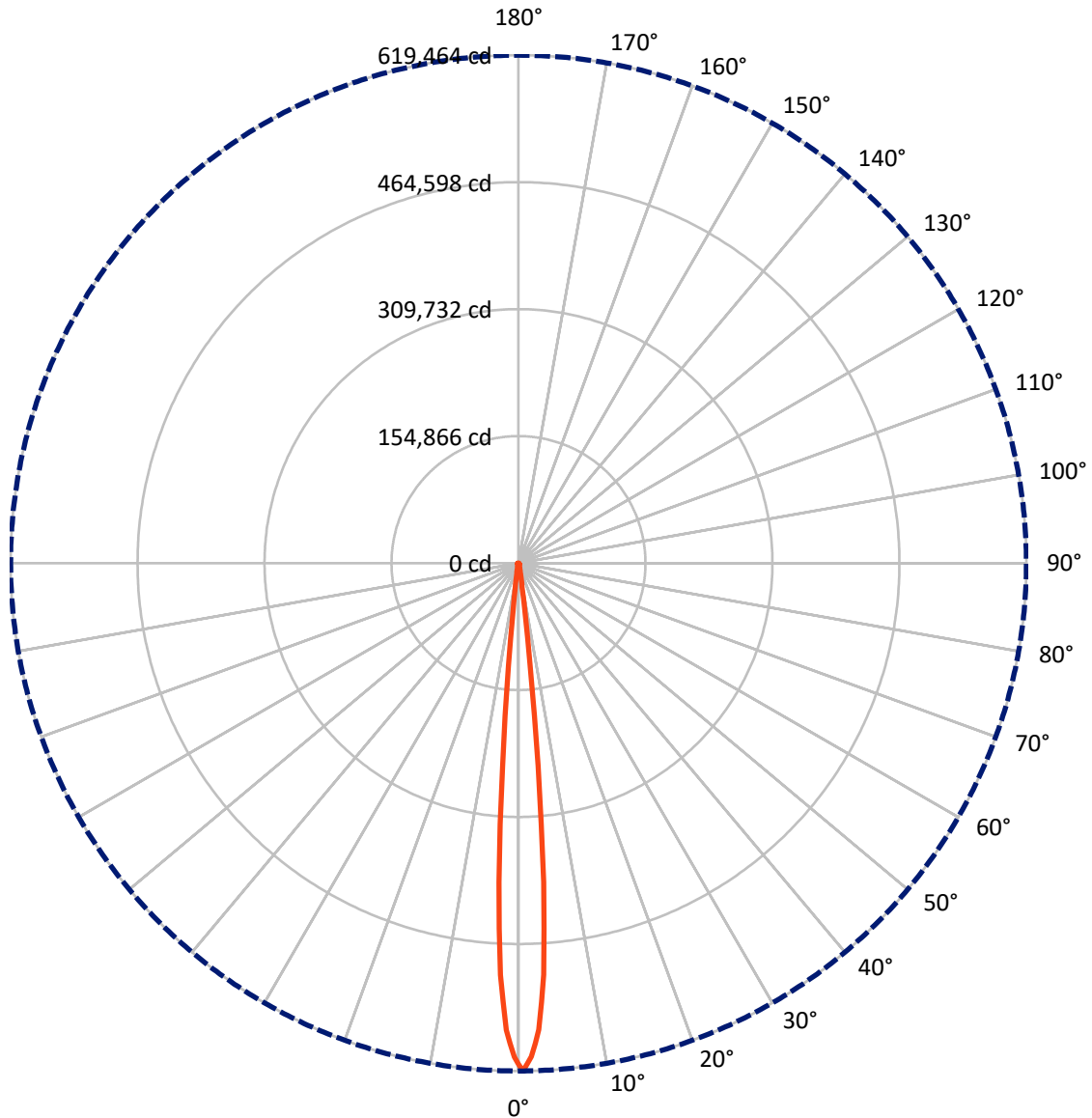
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 991.1 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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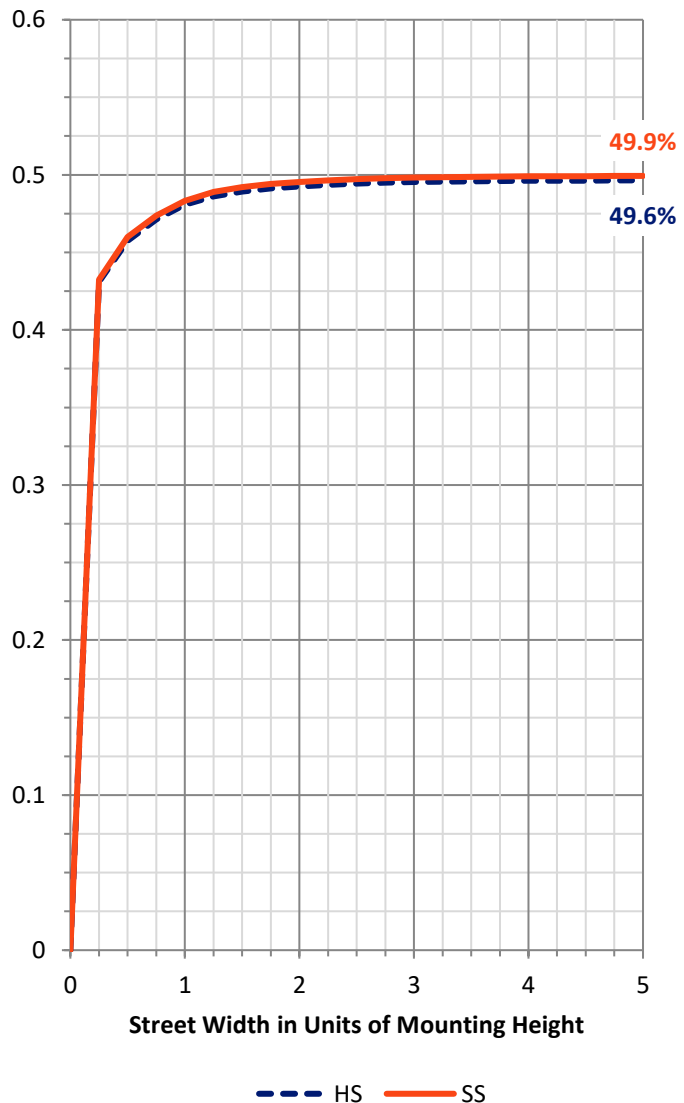
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10390.8	0.0	10390.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10390.8	0.0	10390.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20781.6	0.0	20781.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15960.2	76.8
10°-20°	1556.7	7.5
20°-30°	831.7	4.0
30°-40°	685.9	3.3
40°-50°	763.7	3.7
50°-60°	513.6	2.5
60°-70°	327.7	1.6
70°-80°	129.4	0.6
80°-90°	12.7	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°	20781.6	100.0
0°-180°	20781.6	100.0

Coefficient of Utilization

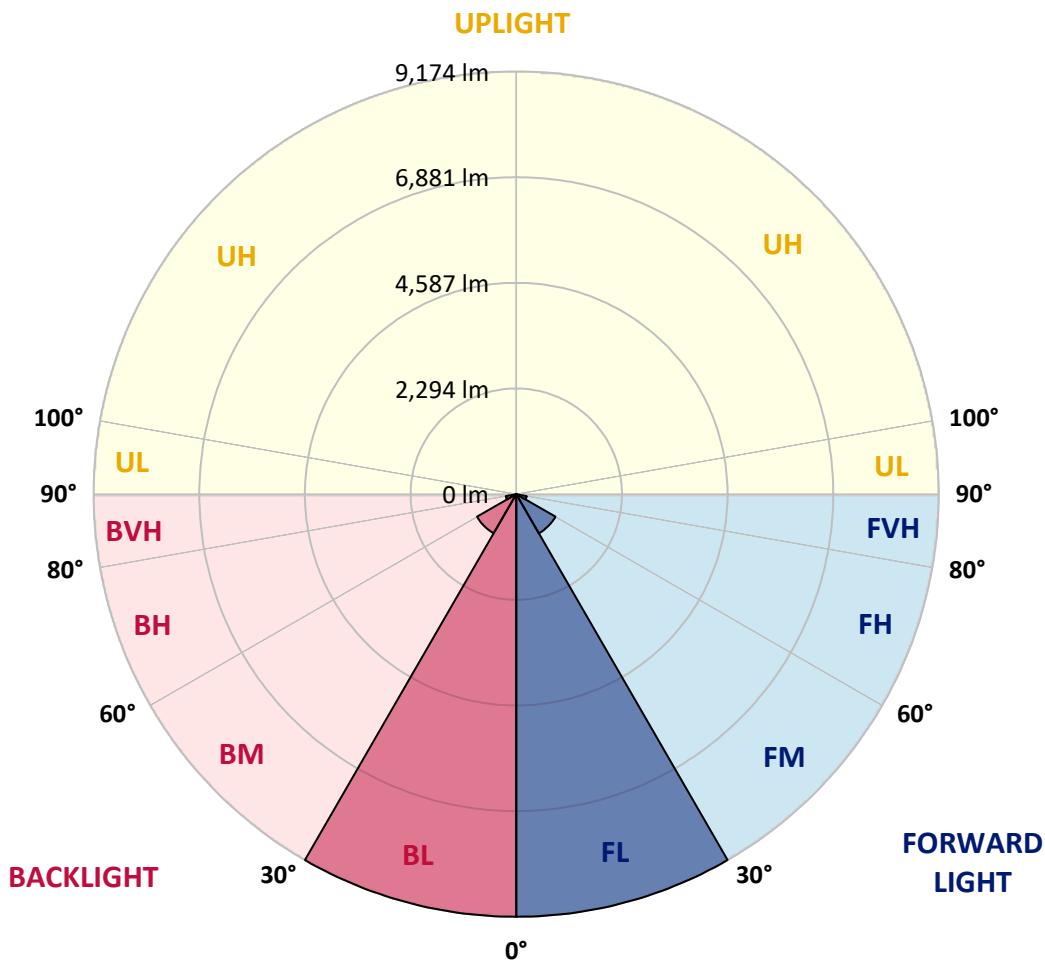


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9174.3	44.1			
FM (30°-60°)	981.6	4.7			
FH (60°-80°)	228.6	1.1			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	9174.3	44.1	B5		
BM (30°-60°)	981.6	4.7	B1/1000		
BH (60°-80°)	228.6	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°	619463.5	619463.5	619463.5	619463.5	619463.5	619463.5	619463.5	619463.5	619463.5	619463.5
1°	602246.9	603294.2	603483.2	602236.1	599056.2	599806.6	599709.4	599876.8	599563.7	597576.9
2°	569638.4	571187.8	569557.4	566059.0	558813.9	557086.3	551315.0	544874.3	538017.9	531145.3
3°	503077.2	506338.0	504011.2	507747.1	493051.7	491567.1	479430.7	463428.8	447210.9	434070.4
4°	390054.3	396079.4	396878.4	409209.1	397137.5	400911.2	387047.2	364815.2	340553.2	321992.3
5°	248628.7	257029.1	261769.2	273333.4	278894.1	293373.5	286619.7	264306.6	236270.9	214918.9
6°	125623.5	130196.3	142931.9	155646.0	169844.7	189058.9	191661.1	172074.4	149761.3	129267.7
7°	58560.3	60449.8	69433.3	72143.5	88377.6	109222.1	112137.5	101399.3	89630.1	73746.9
8°	30260.0	30994.2	34276.7	36290.4	45759.8	57750.4	59796.6	53037.3	48221.6	40231.5
9°	18636.5	18960.4	20191.3	20644.8	24186.4	29520.4	30243.8	27414.9	26108.4	23349.6
10°	12924.6	13097.4	13675.0	13793.8	14976.1	16730.7	16795.5	15866.9	15888.5	15197.5
12.5°	6888.8	6942.8	7104.8	7121.0	7347.7	7531.3	7488.1	7493.5	7585.2	7493.5
15°	4405.4	4432.4	4529.6	4551.1	4669.9	4734.7	4702.3	4696.9	4729.3	4669.9
17.5°	3142.1	3158.3	3228.5	3287.8	3363.4	3385.0	3374.2	3363.4	3363.4	3309.4
20°	2451.0	2472.6	2521.2	2580.6	2618.4	2656.2	2661.6	2656.2	2640.0	2613.0
22.5°	2083.9	2094.7	2110.9	2137.9	2164.9	2181.1	2191.9	2197.3	2191.9	2181.1
25°	1814.0	1824.8	1857.2	1873.4	1873.4	1878.8	1900.4	1911.2	1916.6	1895.0
27.5°	1338.9	1365.9	1414.5	1441.5	1441.5	1452.3	1468.5	1490.1	1511.7	1473.9
30°	1036.6	1058.2	1112.1	1112.1	1106.7	1117.5	1133.7	1166.1	1198.5	1155.3
32.5°	934.0	934.0	944.8	950.2	950.2	966.4	977.2	1004.2	1031.2	1020.4
35°	977.2	950.2	917.8	917.8	928.6	961.0	966.4	993.4	1020.4	1058.2
37.5°	1419.9	1338.9	1220.1	1198.5	1198.5	1236.3	1220.1	1236.3	1284.9	1425.3
40°	1290.3	1225.5	1155.3	1058.2	1058.2	1112.1	1074.4	1095.9	1209.3	1295.7
42.5°	1149.9	1149.9	1074.4	982.6	982.6	1009.6	998.8	1009.6	1139.1	1209.3
45°	1063.6	1063.6	1042.0	896.2	917.8	934.0	934.0	934.0	1106.7	1128.3
47.5°	1015.0	1015.0	961.0	826.0	853.0	858.4	869.2	858.4	993.4	1069.0
50°	907.0	917.8	826.0	728.8	761.2	761.2	777.4	755.8	858.4	982.6
52.5°	782.8	793.6	653.2	577.7	615.5	610.1	631.7	599.3	680.2	853.0
55°	696.4	691.0	539.9	469.7	512.9	507.5	518.3	480.5	550.7	734.2
57.5°	604.7	615.5	442.7	383.3	431.9	421.1	437.3	394.1	453.5	653.2
60°	534.5	550.7	377.9	323.9	372.5	361.7	377.9	329.3	388.7	588.5
62.5°	512.9	512.9	334.7	275.3	323.9	313.1	323.9	275.3	345.5	539.9
65°	610.1	577.7	302.3	226.7	275.3	264.5	275.3	226.7	302.3	518.3
67.5°	809.8	772.0	286.1	178.2	221.3	205.2	221.3	183.6	264.5	485.9
70°	421.1	448.1	286.1	140.4	167.4	167.4	162.0	140.4	221.3	356.3
72.5°	242.9	248.3	221.3	108.0	129.6	140.4	124.2	108.0	162.0	264.5
75°	135.0	151.2	140.4	81.0	97.2	108.0	91.8	81.0	113.4	189.0
77.5°	81.0	91.8	81.0	54.0	64.8	59.4	64.8	54.0	75.6	124.2
80°	43.2	43.2	43.2	32.4	32.4	37.8	37.8	32.4	43.2	64.8
82.5°	16.2	16.2	16.2	10.8	16.2	16.2	16.2	21.6	21.6	27.0
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°
619463.5
599536.7
535102.6
439053.4
326295.1
217656.0
130800.9
75668.9
41316.6
23948.9
15516.0
7596.0
4713.1
3325.6
2618.4
2186.5
1895.0
1468.5
1144.5
1020.4
1079.8
1495.5
1376.7
1214.7
1122.9
1052.8
971.8
831.4
723.4
637.1
572.3
534.5
518.3
480.5
350.9
259.1
167.4
91.8
54.0
27.0
5.4
5.4
0.0

OF REPORT)