

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: P565356

Luminaire Tested: **IFLD-L-SA8A-AMB-U-RW**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565356
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-RW
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ RW distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

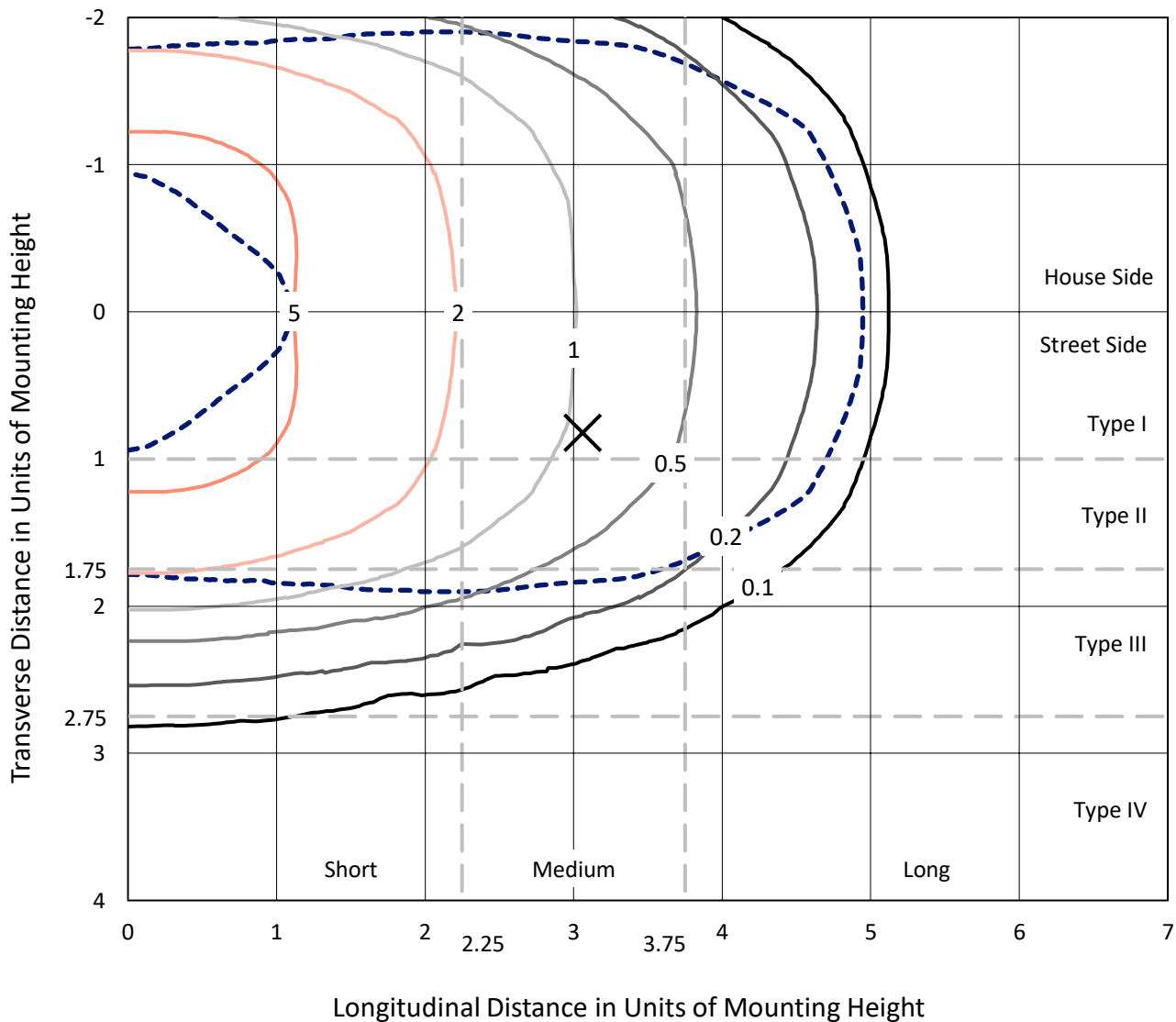
Lumens per Lamp: N/A
Luminaire Lumens: 8388.9 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 160
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

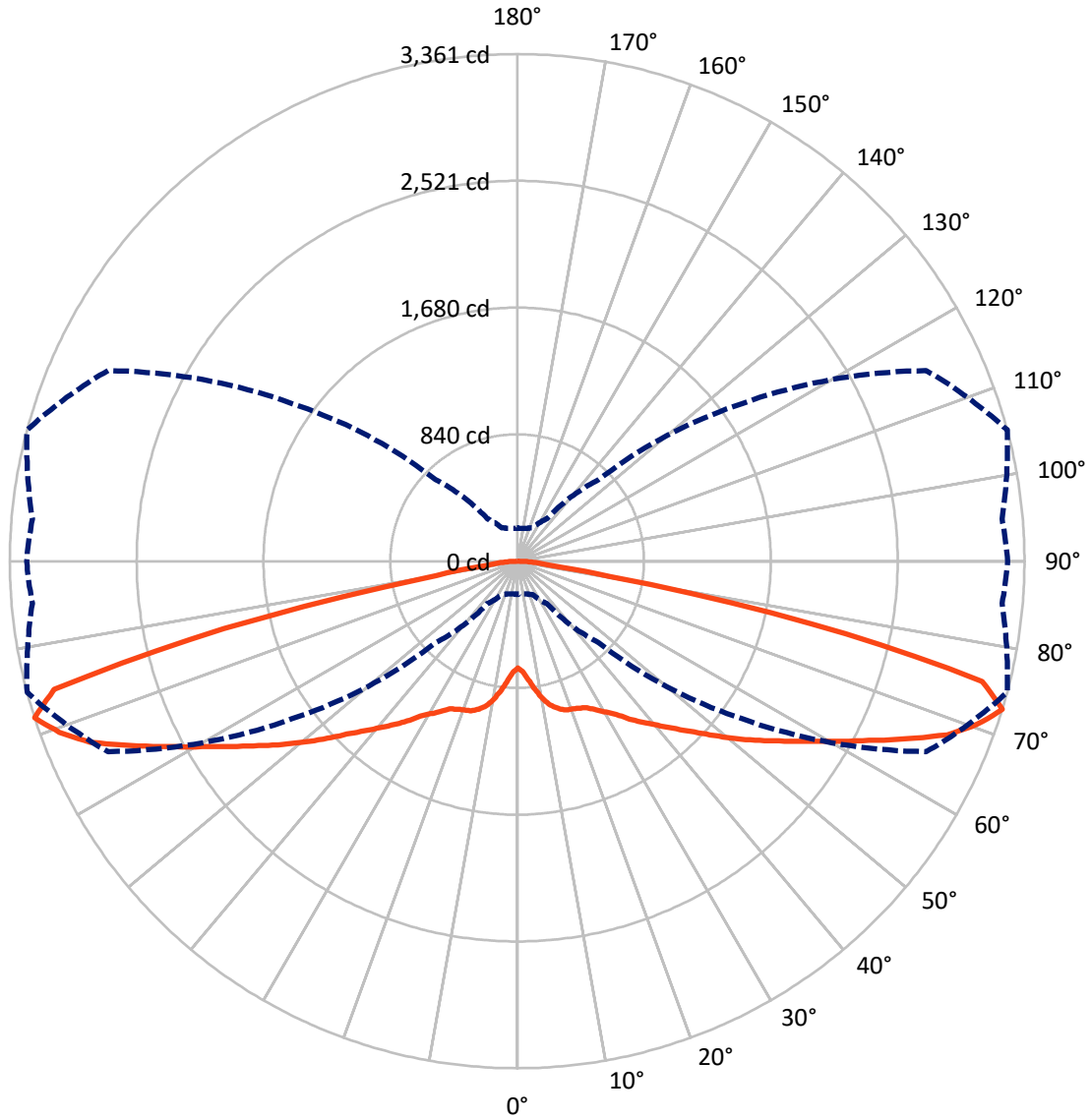
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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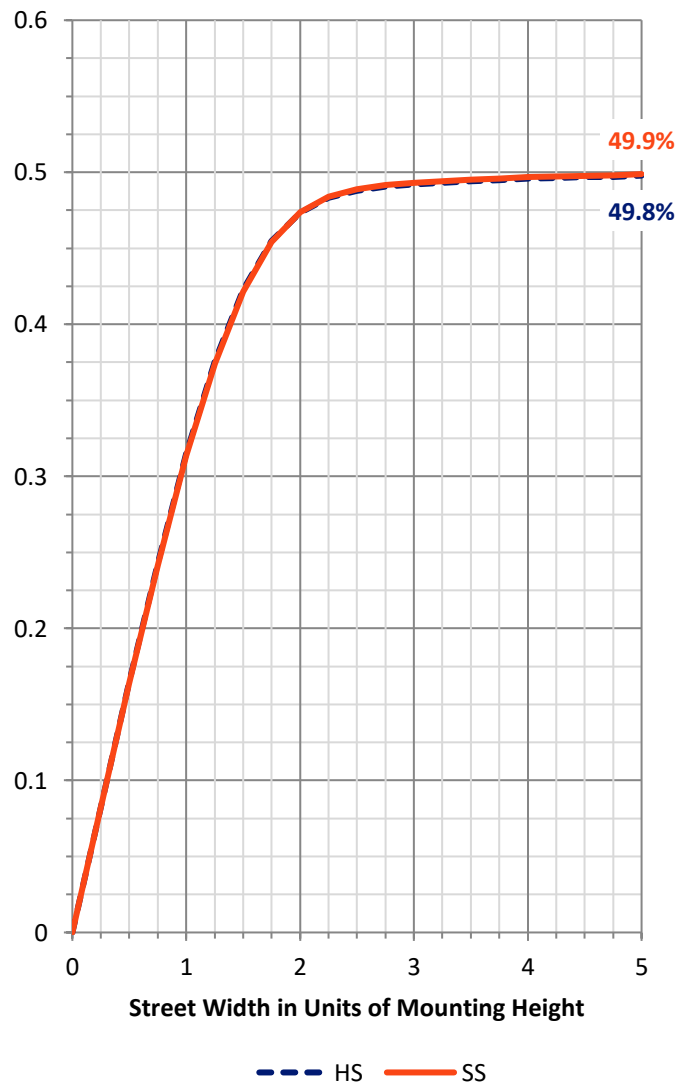
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4194.5	0.0	4194.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4194.5	0.0	4194.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8388.9	0.0	8388.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	0.9
10°-20°	260.2	3.1
20°-30°	503.9	6.0
30°-40°	859.9	10.3
40°-50°	1384.2	16.5
50°-60°	1984.3	23.7
60°-70°	2083.7	24.8
70°-80°	1145.8	13.7
80°-90°	92.8	1.1
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°	8388.9	100.0
0°-180°	8388.9	100.0

Coefficient of Utilization

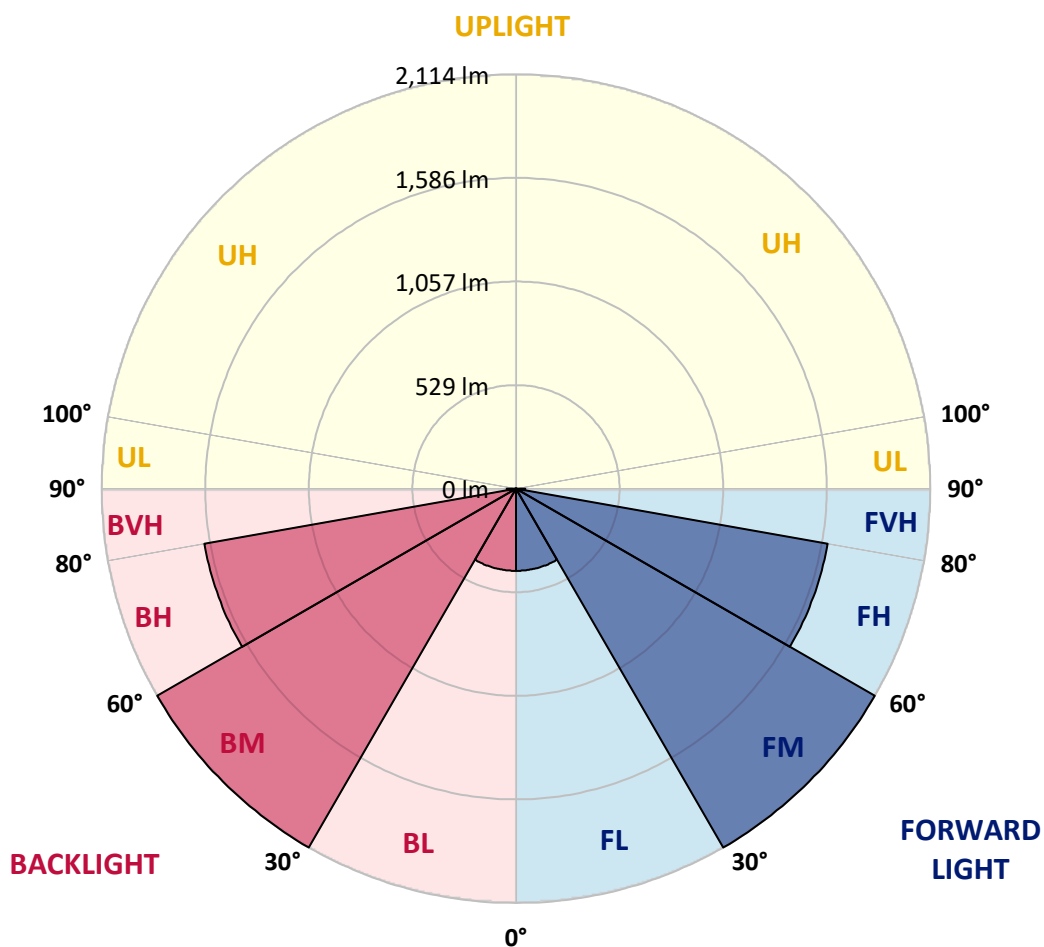


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.2	5.0			
FM (30°-60°)	2114.2	25.2			
FH (60°-80°)	1614.7	19.2			G1/1800
FVH (80°-90°)	46.4	0.6			G1/100
BL (0°-30°)	419.2	5.0	B1/500		
BM (30°-60°)	2114.2	25.2	B2/2500		
BH (60°-80°)	1614.7	19.2	B3/2500		G3/2500
BVH (80°-90°)	46.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9
2.5°	698.6	698.6	702.8	706.9	711.0	719.3	727.6	731.7	735.8	735.8	740.0
5°	702.8	702.8	706.9	719.3	731.7	748.2	764.8	777.2	789.6	793.7	797.8
7.5°	715.2	715.2	727.6	740.0	760.6	789.6	814.4	835.1	859.9	868.1	872.3
10°	727.6	727.6	744.1	768.9	797.8	830.9	868.1	897.1	926.0	942.5	946.7
12.5°	735.8	735.8	756.5	793.7	839.2	884.7	917.7	942.5	979.7	1000.4	1008.7
15°	756.5	756.5	785.4	830.9	888.8	934.3	967.3	988.0	1012.8	1041.7	1045.9
17.5°	785.4	785.4	818.5	872.3	934.3	988.0	1016.9	1021.1	1037.6	1062.4	1066.6
20°	818.5	818.5	859.9	921.9	988.0	1037.6	1062.4	1050.0	1045.9	1066.6	1070.7
22.5°	872.3	872.3	913.6	983.9	1050.0	1103.8	1107.9	1079.0	1058.3	1070.7	1074.8
25°	926.0	926.0	971.5	1045.9	1132.7	1178.2	1169.9	1124.4	1074.8	1083.1	1087.2
27.5°	979.7	983.9	1029.3	1112.0	1194.7	1248.4	1240.2	1174.0	1116.2	1099.6	1112.0
30°	1054.1	1058.3	1112.0	1190.6	1265.0	1310.5	1310.5	1236.0	1161.6	1132.7	1136.8
32.5°	1161.6	1169.9	1211.2	1281.5	1343.5	1380.7	1368.3	1302.2	1211.2	1182.3	1182.3
35°	1273.2	1277.4	1322.9	1384.9	1434.5	1455.1	1434.5	1372.5	1285.6	1244.3	1252.6
37.5°	1384.9	1389.0	1438.6	1488.2	1537.8	1537.8	1513.0	1442.7	1355.9	1310.5	1322.9
40°	1508.9	1517.1	1562.6	1620.5	1649.4	1637.0	1604.0	1525.4	1430.3	1384.9	1393.1
42.5°	1637.0	1641.2	1699.0	1761.0	1781.7	1761.0	1707.3	1616.4	1513.0	1471.7	1479.9
45°	1752.8	1752.8	1818.9	1897.5	1922.3	1901.6	1823.1	1728.0	1608.1	1562.6	1566.8
47.5°	1856.1	1860.3	1930.5	2013.2	2058.7	2050.4	1959.5	1847.9	1719.7	1666.0	1657.7
50°	1947.1	1959.5	2021.5	2112.4	2174.4	2195.1	2100.0	1971.9	1843.7	1777.6	1765.2
52.5°	2021.5	2038.0	2104.2	2195.1	2273.7	2331.5	2248.9	2108.3	1971.9	1901.6	1897.5
55°	2046.3	2067.0	2149.6	2261.3	2352.2	2439.0	2389.4	2265.4	2104.2	2033.9	2042.2
57.5°	1992.5	2005.0	2124.8	2273.7	2422.5	2534.1	2513.4	2418.3	2253.0	2186.8	2211.6
60°	1769.3	1794.1	1947.1	2157.9	2418.3	2625.0	2641.6	2571.3	2422.5	2368.7	2389.4
62.5°	1397.3	1413.8	1595.7	1868.5	2261.3	2666.4	2786.3	2732.5	2616.8	2567.2	2600.2
65°	868.1	884.7	1066.6	1393.1	1922.3	2546.5	2955.8	2939.2	2835.9	2782.1	2831.7
67.5°	487.8	496.1	591.2	806.1	1339.4	2186.8	2993.0	3174.9	3071.5	2984.7	3021.9
70°	277.0	277.0	310.0	425.8	723.4	1529.6	2612.6	3236.9	3236.9	3121.1	3145.9
72.5°	219.1	219.1	223.2	243.9	343.1	764.8	1823.1	2988.8	3360.9	3224.5	3249.3
75°	186.0	181.9	186.0	190.2	202.6	297.6	905.3	2219.9	3183.1	3195.5	3216.2
77.5°	144.7	144.7	148.8	153.0	157.1	173.6	318.3	1033.5	1992.5	2310.9	2352.2
80°	107.5	107.5	115.7	115.7	115.7	128.2	165.4	322.4	624.2	781.3	748.2
82.5°	70.3	66.1	86.8	82.7	82.7	82.7	111.6	161.2	210.8	181.9	136.4
85°	41.3	41.3	49.6	49.6	49.6	45.5	66.1	95.1	124.0	82.7	62.0
87.5°	8.3	8.3	12.4	12.4	12.4	12.4	20.7	28.9	49.6	28.9	20.7
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)