

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: P565305

Luminaire Tested: **IFLD-S-SA6A-AMB-U-5NQ**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565305
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-5NQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5NQ distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

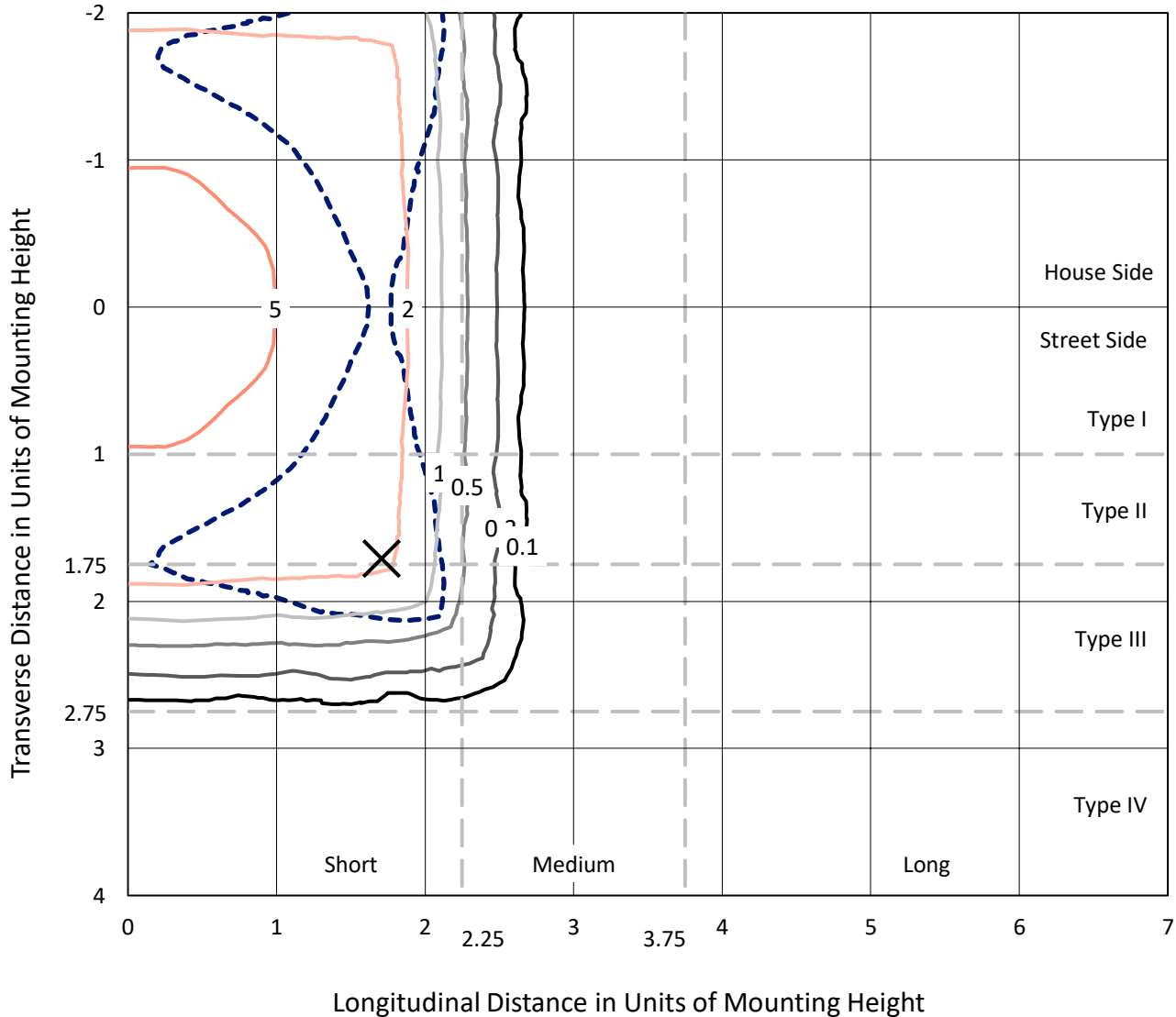
Lumens per Lamp: N/A
Luminaire Lumens: 6397.7 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 122.4
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

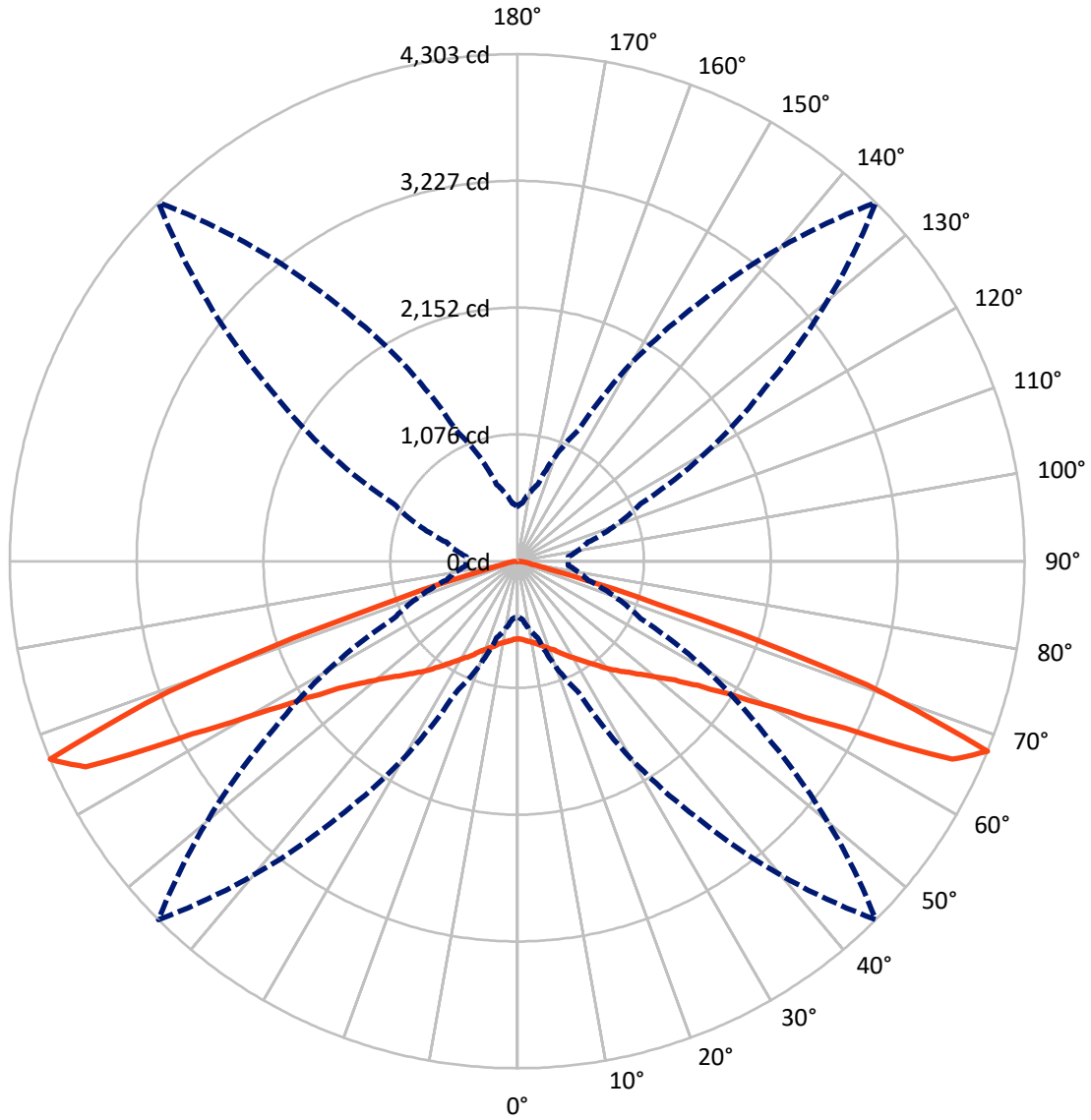
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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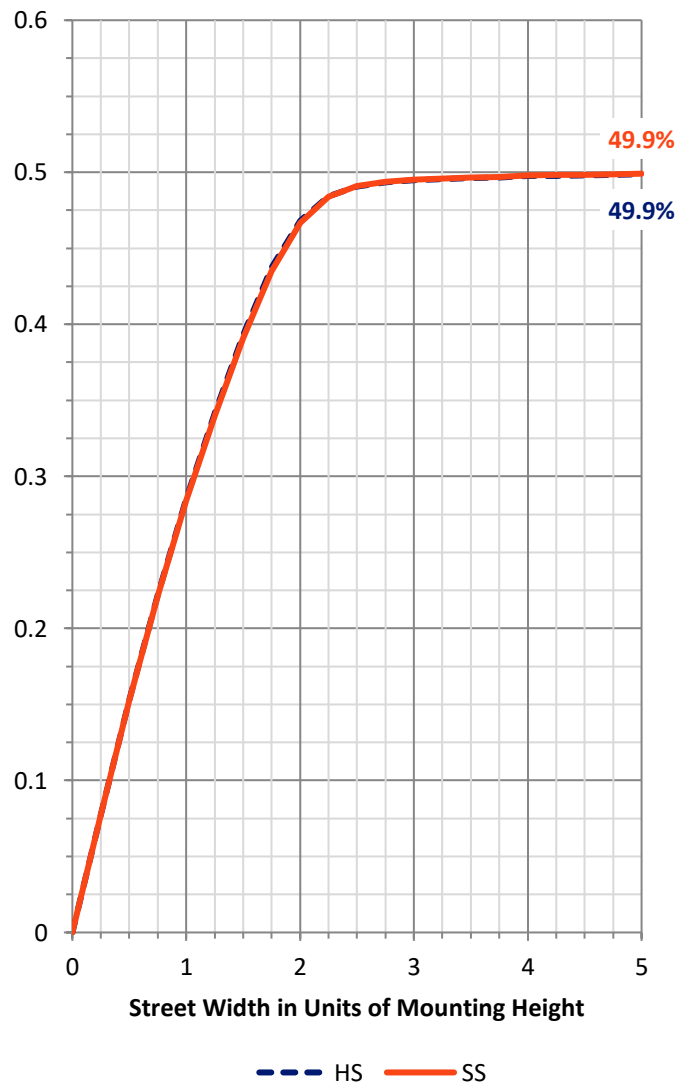
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3198.8	0.0	3198.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3198.8	0.0	3198.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6397.7	0.0	6397.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.0
10°-20°	211.4	3.3
20°-30°	403.6	6.3
30°-40°	681.2	10.6
40°-50°	1084.3	16.9
50°-60°	1735.4	27.1
60°-70°	1936.2	30.3
70°-80°	249.6	3.9
80°-90°	30.9	0.5
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°	6397.7	100.0
0°-180°	6397.7	100.0

Coefficient of Utilization

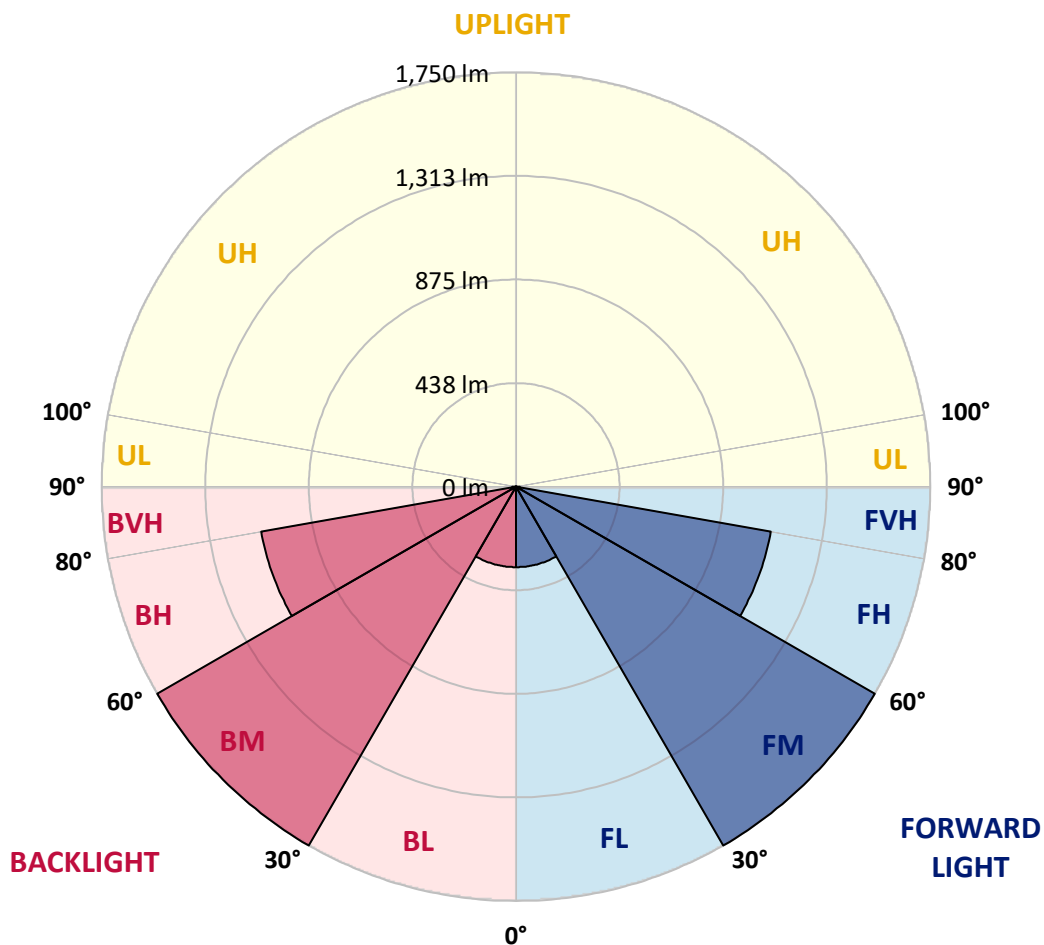


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.1	5.3			
FM (30°-60°)	1750.4	27.4			
FH (60°-80°)	1092.9	17.1			G1/1800
FVH (80°-90°)	15.4	0.2			G1/100
BL (0°-30°)	340.1	5.3	B1/500		
BM (30°-60°)	1750.4	27.4	B2/2500		
BH (60°-80°)	1092.9	17.1	B3/2500		G1/1800
BVH (80°-90°)	15.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	658.6	658.6	658.6	658.6	658.6	658.6	658.6	658.6	658.6	658.6	658.6
2.5°	658.6	658.6	658.6	658.6	658.6	661.8	661.8	661.8	664.9	664.9	664.9
5°	671.2	668.1	671.2	671.2	671.2	674.3	674.3	674.3	674.3	677.5	677.5
7.5°	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	690.0	690.0
10°	696.3	696.3	696.3	699.4	696.3	699.4	702.6	702.6	702.6	702.6	702.6
12.5°	712.0	712.0	715.1	715.1	715.1	715.1	718.2	718.2	718.2	718.2	718.2
15°	737.1	737.1	737.1	737.1	737.1	740.2	740.2	740.2	743.3	740.2	740.2
17.5°	759.0	759.0	762.1	762.1	762.1	765.3	768.4	765.3	768.4	765.3	765.3
20°	784.1	784.1	784.1	787.2	790.4	793.5	793.5	793.5	793.5	790.4	790.4
22.5°	815.5	812.3	815.5	818.6	818.6	821.7	824.9	824.9	824.9	821.7	821.7
25°	856.2	856.2	859.4	865.6	865.6	865.6	865.6	868.8	875.1	868.8	868.8
27.5°	897.0	897.0	903.3	909.6	906.4	909.6	909.6	915.8	915.8	915.8	912.7
30°	940.9	940.9	950.3	956.6	953.5	953.5	956.6	962.9	962.9	962.9	962.9
32.5°	991.1	994.2	1003.6	1009.9	1003.6	1006.8	1009.9	1016.2	1016.2	1009.9	1013.1
35°	1060.1	1060.1	1075.8	1078.9	1066.4	1063.2	1072.6	1085.2	1091.5	1082.1	1085.2
37.5°	1116.6	1119.7	1141.6	1147.9	1141.6	1129.1	1144.8	1160.5	1166.7	1154.2	1151.1
40°	1191.8	1195.0	1220.1	1220.1	1210.6	1201.2	1223.2	1245.1	1245.1	1232.6	1229.5
42.5°	1273.4	1273.4	1307.9	1307.9	1285.9	1273.4	1301.6	1333.0	1336.1	1317.3	1314.1
45°	1361.2	1364.3	1402.0	1402.0	1373.7	1348.6	1380.0	1430.2	1430.2	1405.1	1405.1
47.5°	1445.9	1445.9	1486.6	1496.1	1464.7	1439.6	1477.2	1527.4	1521.1	1483.5	1474.1
50°	1530.6	1533.7	1580.7	1596.4	1574.5	1546.2	1590.1	1634.1	1615.2	1571.3	1571.3
52.5°	1678.0	1674.8	1721.9	1728.2	1706.2	1678.0	1721.9	1765.8	1750.1	1712.5	1703.1
55°	1844.2	1847.3	1906.9	1919.5	1885.0	1859.9	1906.9	1947.7	1932.0	1891.2	1888.1
57.5°	2007.3	2016.7	2082.6	2139.0	2145.3	2129.6	2164.1	2179.8	2142.2	2088.8	2079.4
60°	2107.7	2123.3	2255.1	2380.5	2490.3	2534.2	2512.2	2455.8	2305.2	2164.1	2154.7
62.5°	1900.7	1925.7	2142.2	2487.2	2913.7	3123.8	2967.0	2559.3	2154.7	1903.8	1900.7
65°	1204.4	1260.8	1599.6	2192.3	3089.3	4055.4	3136.4	2129.6	1480.4	1179.3	1179.3
67.5°	464.2	495.5	674.3	1223.2	2653.4	4303.1	2565.6	1157.3	621.0	432.8	436.0
70°	160.0	166.2	213.3	410.9	1285.9	3145.8	1204.4	373.2	210.1	166.2	169.4
72.5°	112.9	116.0	125.5	153.7	357.5	1248.3	310.5	156.8	128.6	116.0	116.0
75°	84.7	87.8	97.2	112.9	147.4	282.3	144.3	116.0	103.5	91.0	87.8
77.5°	59.6	62.7	69.0	81.5	100.4	128.6	106.6	94.1	84.7	75.3	72.1
80°	40.8	43.9	53.3	56.5	62.7	91.0	81.5	78.4	69.0	56.5	53.3
82.5°	22.0	25.1	37.6	40.8	40.8	53.3	56.5	59.6	53.3	40.8	37.6
85°	12.5	12.5	18.8	22.0	25.1	25.1	31.4	37.6	40.8	25.1	25.1
87.5°	3.1	3.1	3.1	6.3	6.3	6.3	12.5	15.7	18.8	9.4	9.4
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)