

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: P565307

Luminaire Tested: **IFLD-L-SA7A-AMB-U-5NQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565307
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-5NQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5NQ distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

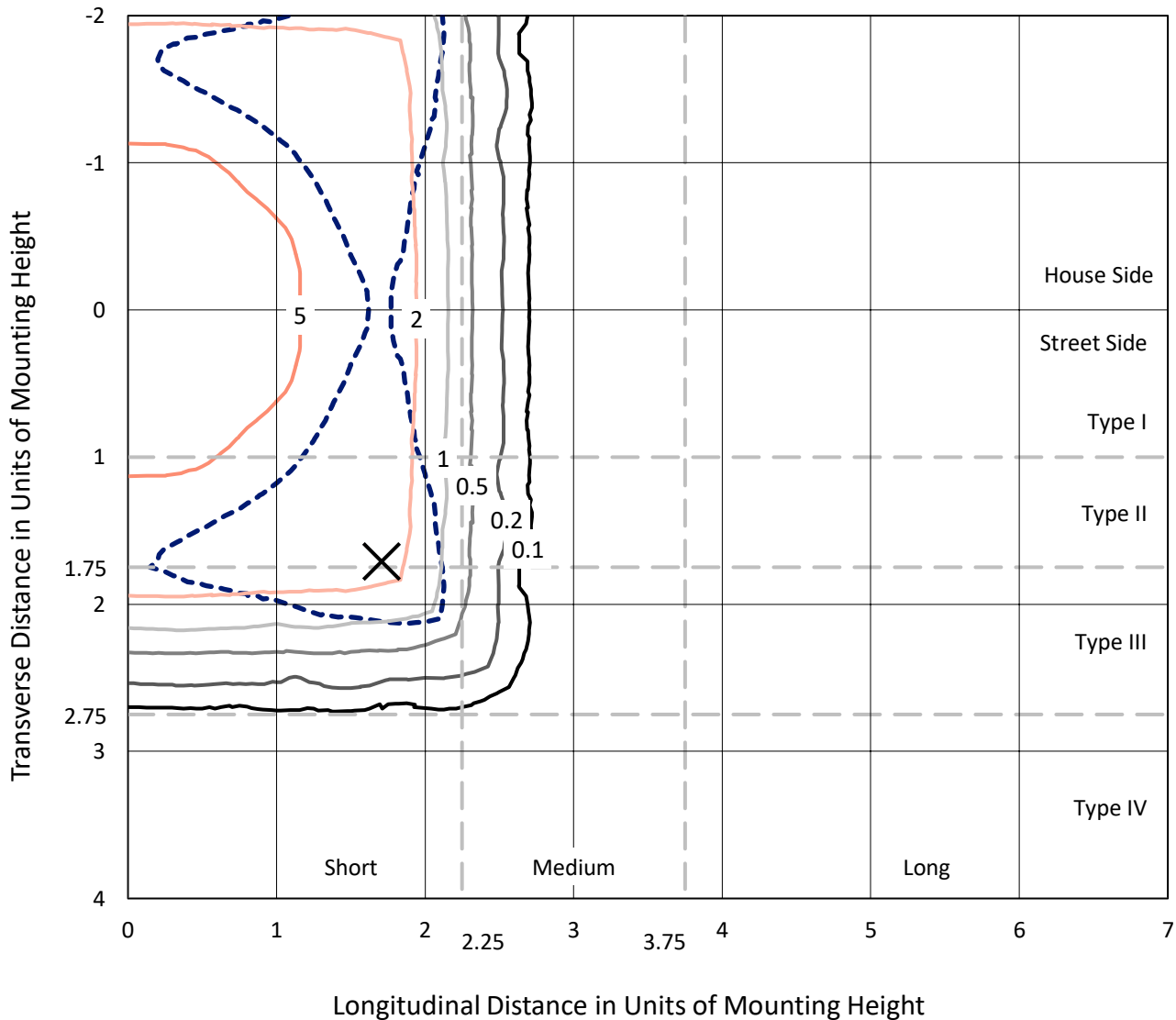
Lumens per Lamp: N/A
Luminaire Lumens: 7419.4 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 140.5
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

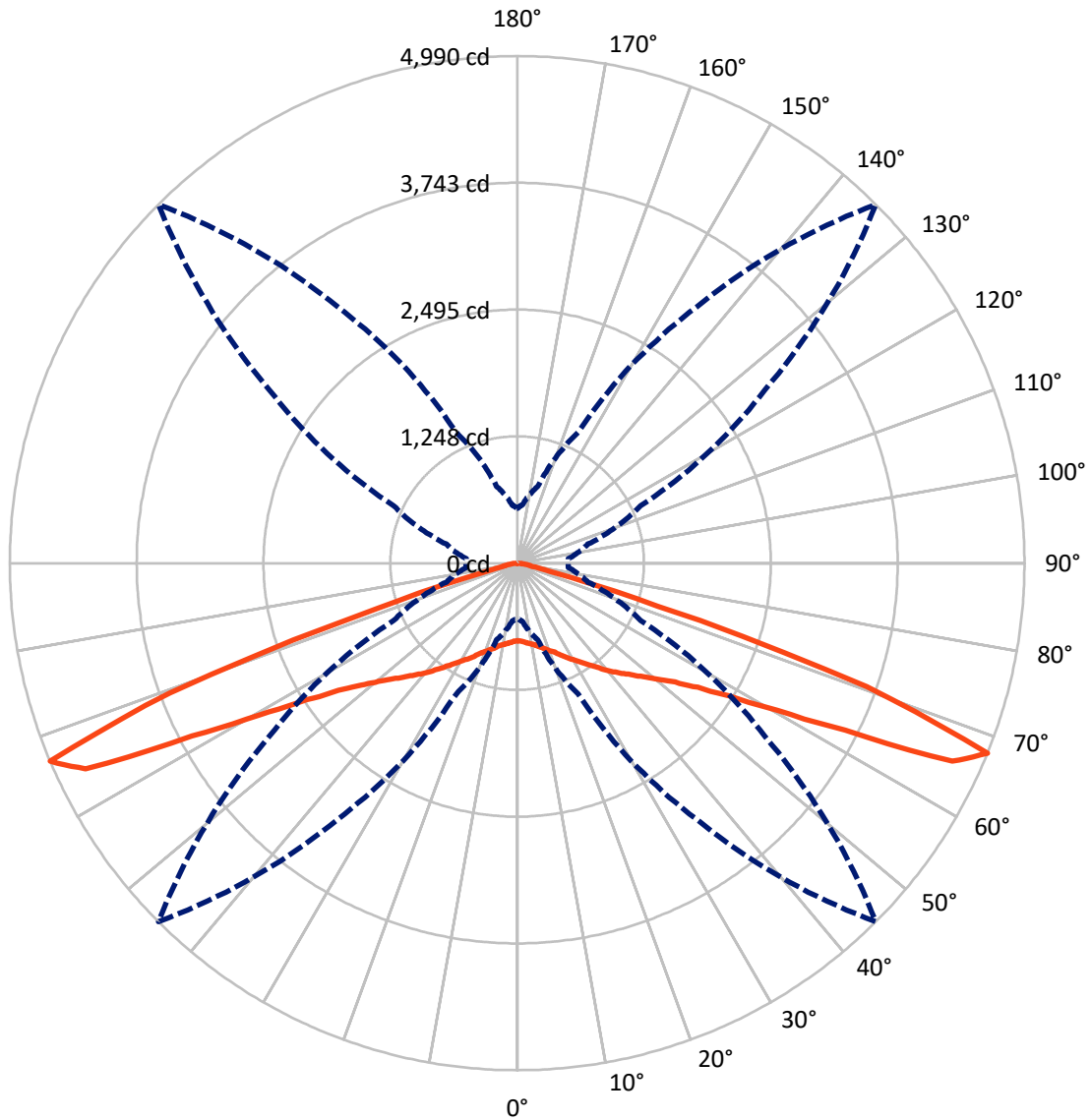
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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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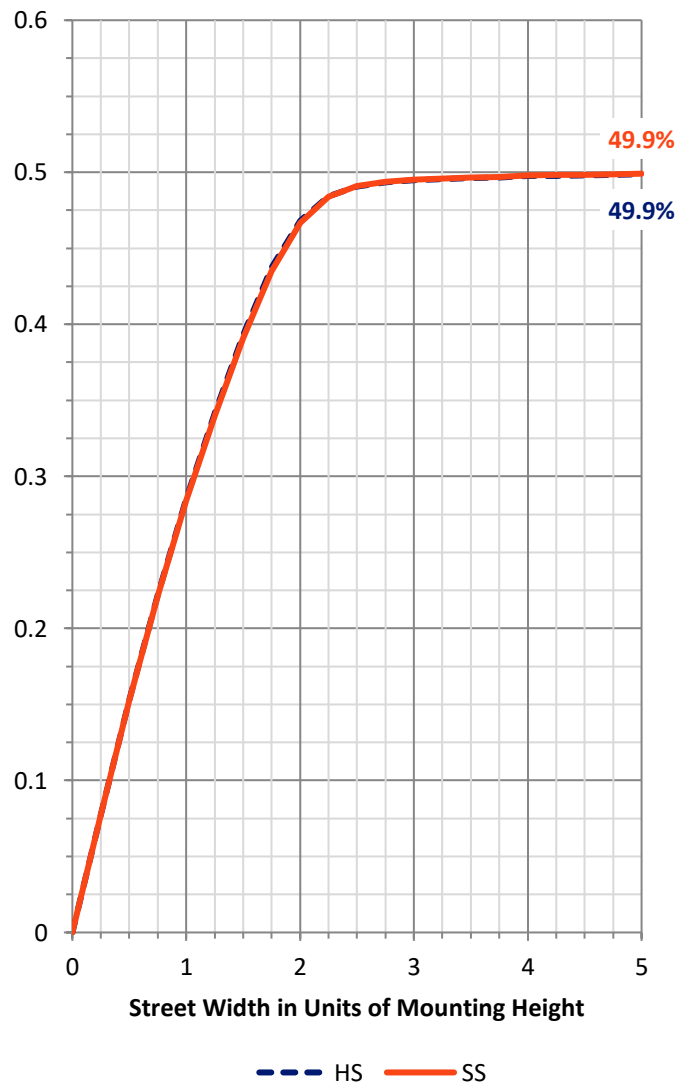
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3709.7	0.0	3709.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3709.7	0.0	3709.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7419.4	0.0	7419.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	1.0
10°-20°	245.2	3.3
20°-30°	468.1	6.3
30°-40°	790.0	10.6
40°-50°	1257.5	16.9
50°-60°	2012.5	27.1
60°-70°	2245.4	30.3
70°-80°	289.5	3.9
80°-90°	35.8	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°	7419.4	100.0
0°-180°	7419.4	100.0

Coefficient of Utilization

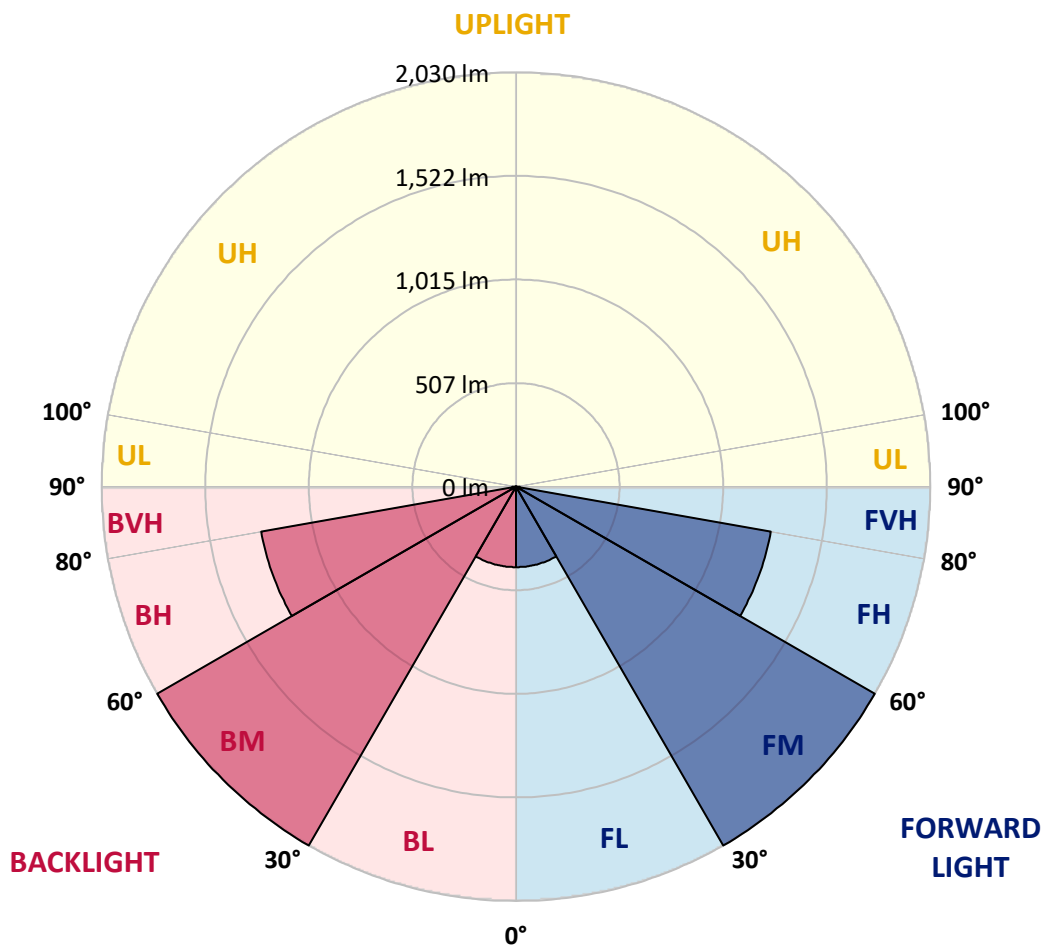


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.4	5.3			
FM (30°-60°)	2030.0	27.4			
FH (60°-80°)	1267.5	17.1			G1/1800
FVH (80°-90°)	17.9	0.2			G1/100
BL (0°-30°)	394.4	5.3	B1/500		
BM (30°-60°)	2030.0	27.4	B2/2500		
BH (60°-80°)	1267.5	17.1	B3/2500		G1/1800
BVH (80°-90°)	17.9	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°	763.8	763.8	763.8	763.8	763.8	763.8	763.8	763.8	763.8	763.8	763.8
2.5°	763.8	763.8	763.8	763.8	763.8	767.5	767.5	767.5	771.1	771.1	771.1
5°	778.4	774.7	778.4	778.4	778.4	782.0	782.0	782.0	782.0	785.7	785.7
7.5°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	800.2	800.2
10°	807.5	807.5	807.5	811.1	807.5	811.1	814.8	814.8	814.8	814.8	814.8
12.5°	825.7	825.7	829.3	829.3	829.3	829.3	832.9	832.9	832.9	832.9	832.9
15°	854.8	854.8	854.8	854.8	854.8	858.4	858.4	858.4	862.0	858.4	858.4
17.5°	880.2	880.2	883.9	883.9	883.9	887.5	891.1	887.5	891.1	887.5	887.5
20°	909.3	909.3	909.3	913.0	916.6	920.2	920.2	920.2	920.2	916.6	916.6
22.5°	945.7	942.1	945.7	949.3	949.3	953.0	956.6	956.6	956.6	953.0	953.0
25°	993.0	993.0	996.6	1003.9	1003.9	1003.9	1003.9	1007.5	1014.8	1007.5	1007.5
27.5°	1040.3	1040.3	1047.5	1054.8	1051.2	1054.8	1054.8	1062.1	1062.1	1062.1	1058.5
30°	1091.2	1091.2	1102.1	1109.4	1105.7	1105.7	1109.4	1116.7	1116.7	1116.7	1116.7
32.5°	1149.4	1153.0	1163.9	1171.2	1163.9	1167.6	1171.2	1178.5	1178.5	1171.2	1174.8
35°	1229.4	1229.4	1247.6	1251.2	1236.7	1233.0	1244.0	1258.5	1265.8	1254.9	1258.5
37.5°	1294.9	1298.5	1324.0	1331.3	1324.0	1309.4	1327.6	1345.8	1353.1	1338.5	1334.9
40°	1382.2	1385.8	1414.9	1414.9	1404.0	1393.1	1418.5	1444.0	1444.0	1429.5	1425.8
42.5°	1476.7	1476.7	1516.8	1516.8	1491.3	1476.7	1509.5	1545.9	1549.5	1527.7	1524.0
45°	1578.6	1582.2	1625.9	1625.9	1593.1	1564.0	1600.4	1658.6	1658.6	1629.5	1629.5
47.5°	1676.8	1676.8	1724.1	1735.0	1698.6	1669.5	1713.2	1771.4	1764.1	1720.4	1709.5
50°	1775.0	1778.6	1833.2	1851.4	1825.9	1793.2	1844.1	1895.0	1873.2	1822.3	1822.3
52.5°	1946.0	1942.3	1996.9	2004.2	1978.7	1946.0	1996.9	2047.8	2029.6	1986.0	1975.1
55°	2138.7	2142.4	2211.5	2226.0	2186.0	2156.9	2211.5	2258.8	2240.6	2193.3	2189.7
57.5°	2327.9	2338.8	2415.2	2480.6	2487.9	2469.7	2509.7	2527.9	2484.3	2422.4	2411.5
60°	2444.3	2462.5	2615.2	2760.7	2888.0	2938.9	2913.5	2848.0	2673.4	2509.7	2498.8
62.5°	2204.2	2233.3	2484.3	2884.4	3379.1	3622.8	3440.9	2968.0	2498.8	2207.8	2204.2
65°	1396.7	1462.2	1855.0	2542.5	3582.7	4703.0	3637.3	2469.7	1716.8	1367.6	1367.6
67.5°	538.3	574.7	782.0	1418.5	3077.2	4990.4	2975.3	1342.2	720.2	501.9	505.6
70°	185.5	192.8	247.3	476.5	1491.3	3648.2	1396.7	432.8	243.7	192.8	196.4
72.5°	130.9	134.6	145.5	178.2	414.7	1447.6	360.1	181.9	149.1	134.6	134.6
75°	98.2	101.8	112.8	130.9	171.0	327.4	167.3	134.6	120.0	105.5	101.8
77.5°	69.1	72.7	80.0	94.6	116.4	149.1	123.7	109.1	98.2	87.3	83.7
80°	47.3	50.9	61.8	65.5	72.7	105.5	94.6	90.9	80.0	65.5	61.8
82.5°	25.5	29.1	43.6	47.3	47.3	61.8	65.5	69.1	61.8	47.3	43.6
85°	14.5	14.5	21.8	25.5	29.1	29.1	36.4	43.6	47.3	29.1	29.1
87.5°	3.6	3.6	3.6	7.3	7.3	7.3	14.5	18.2	21.8	10.9	10.9
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)