

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: P565353

Luminaire Tested: **IFLD-S-SA6A-AMB-U-RW**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565353
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-RW
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ RW distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

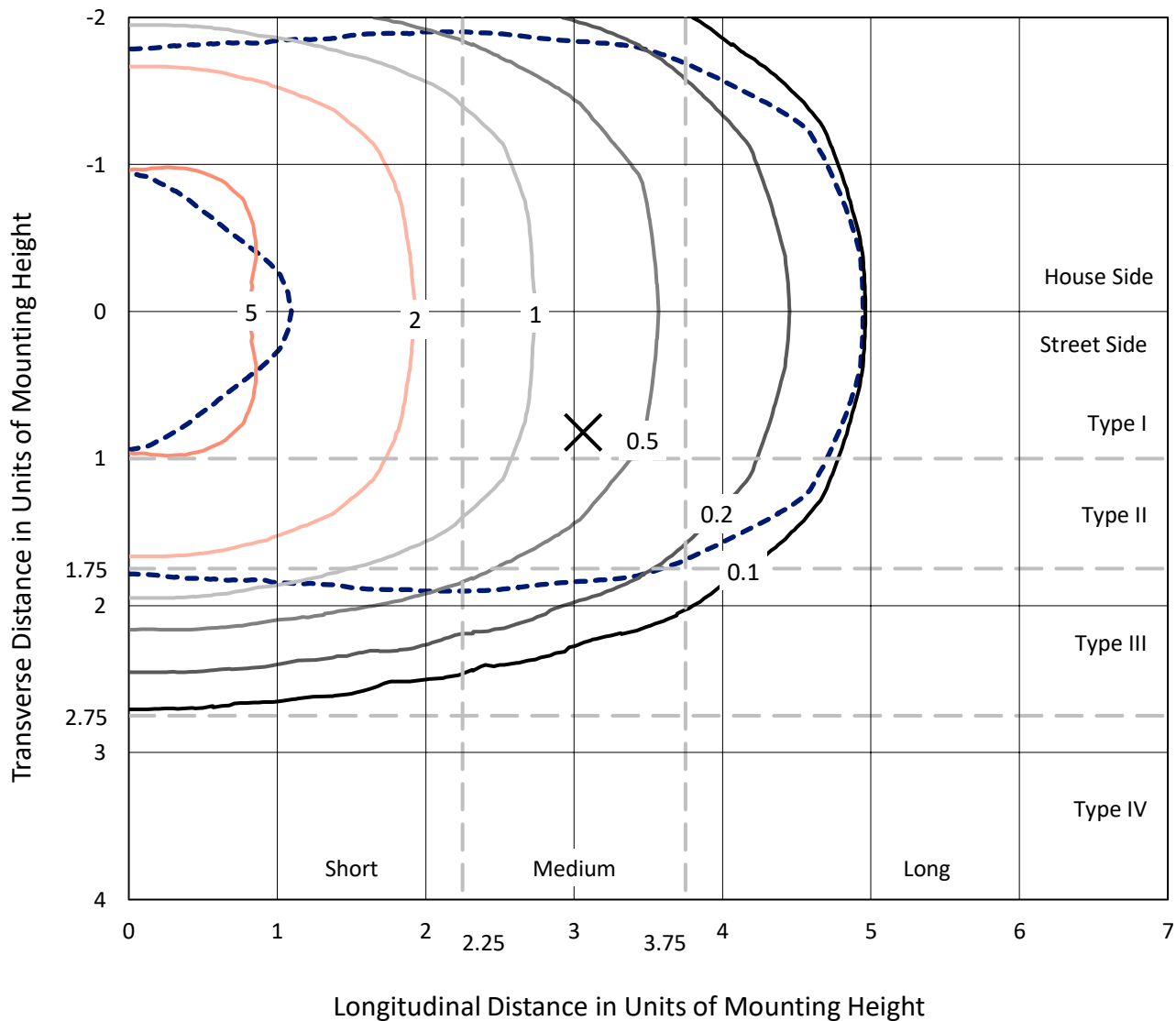
Lumens per Lamp: N/A
Luminaire Lumens: 6609.5 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 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

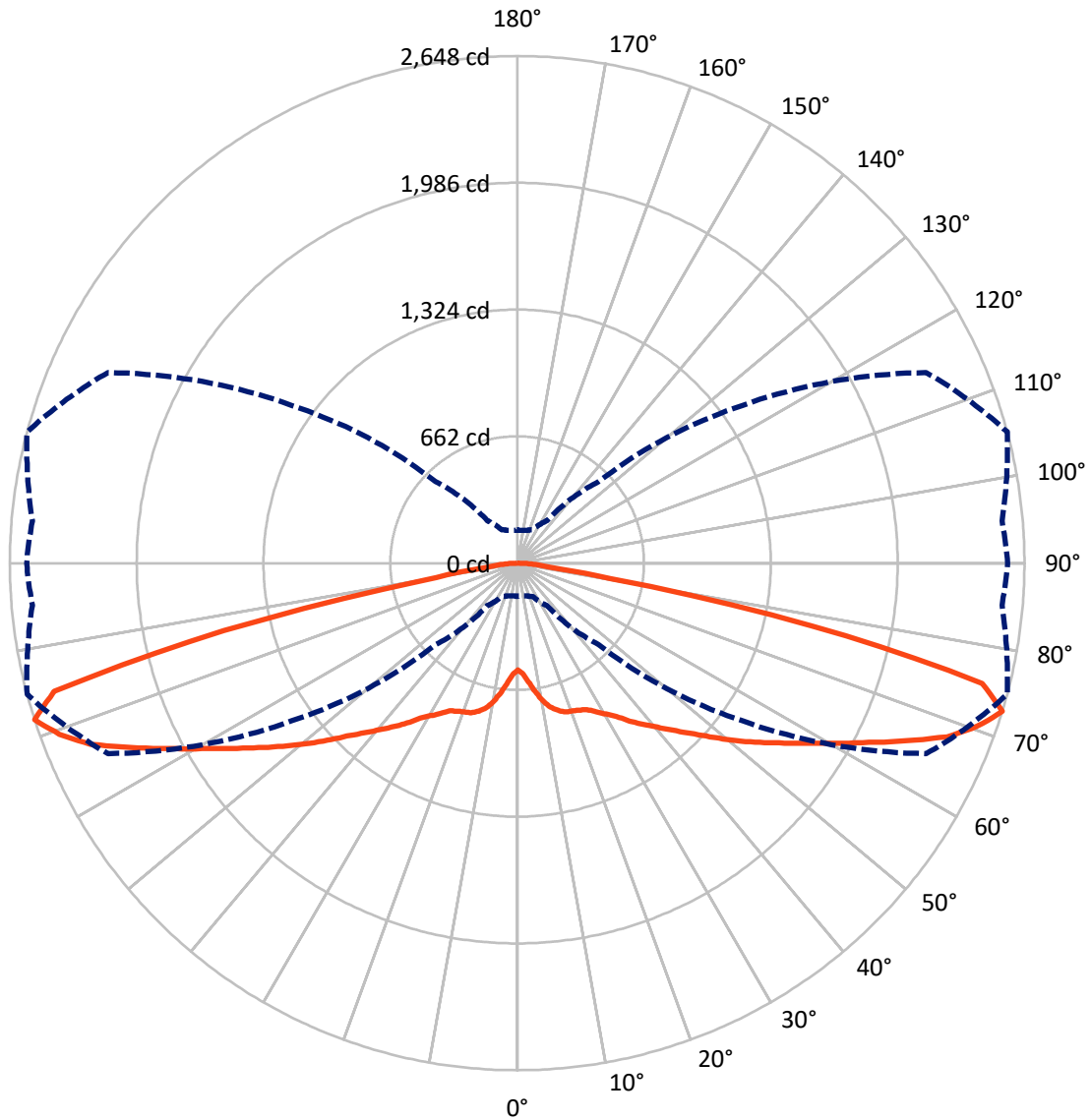
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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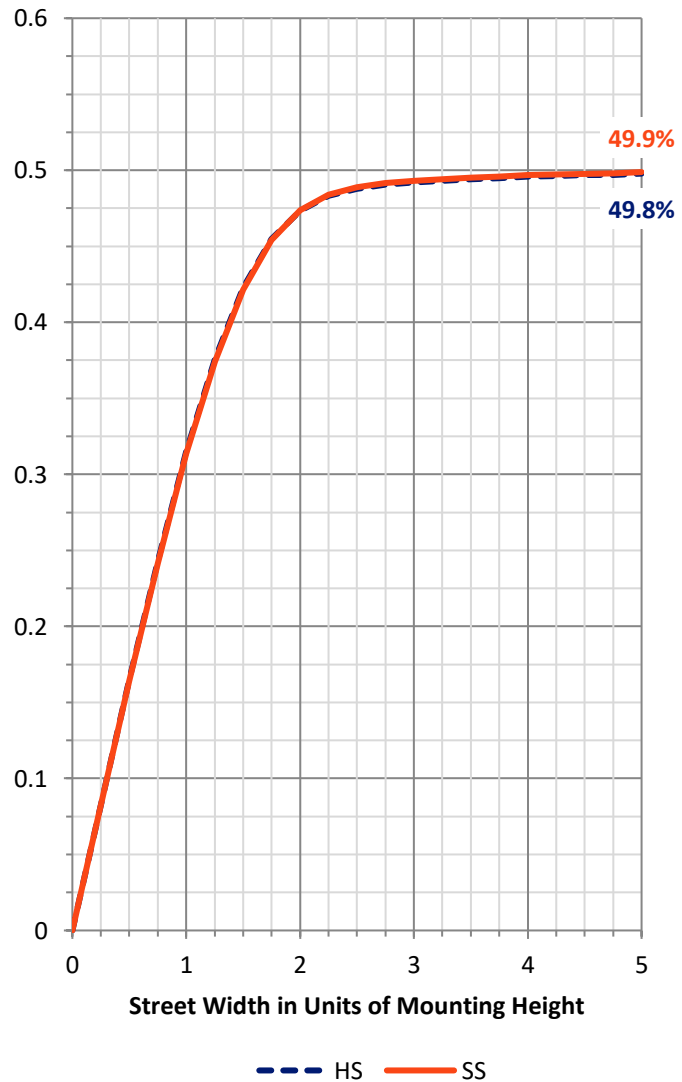
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3304.7	0.0	3304.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3304.7	0.0	3304.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6609.5	0.0	6609.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	0.9
10°-20°	205.0	3.1
20°-30°	397.0	6.0
30°-40°	677.5	10.3
40°-50°	1090.6	16.5
50°-60°	1563.4	23.7
60°-70°	1641.7	24.8
70°-80°	902.8	13.7
80°-90°	73.1	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°	6609.5	100.0
0°-180°	6609.5	100.0

Coefficient of Utilization

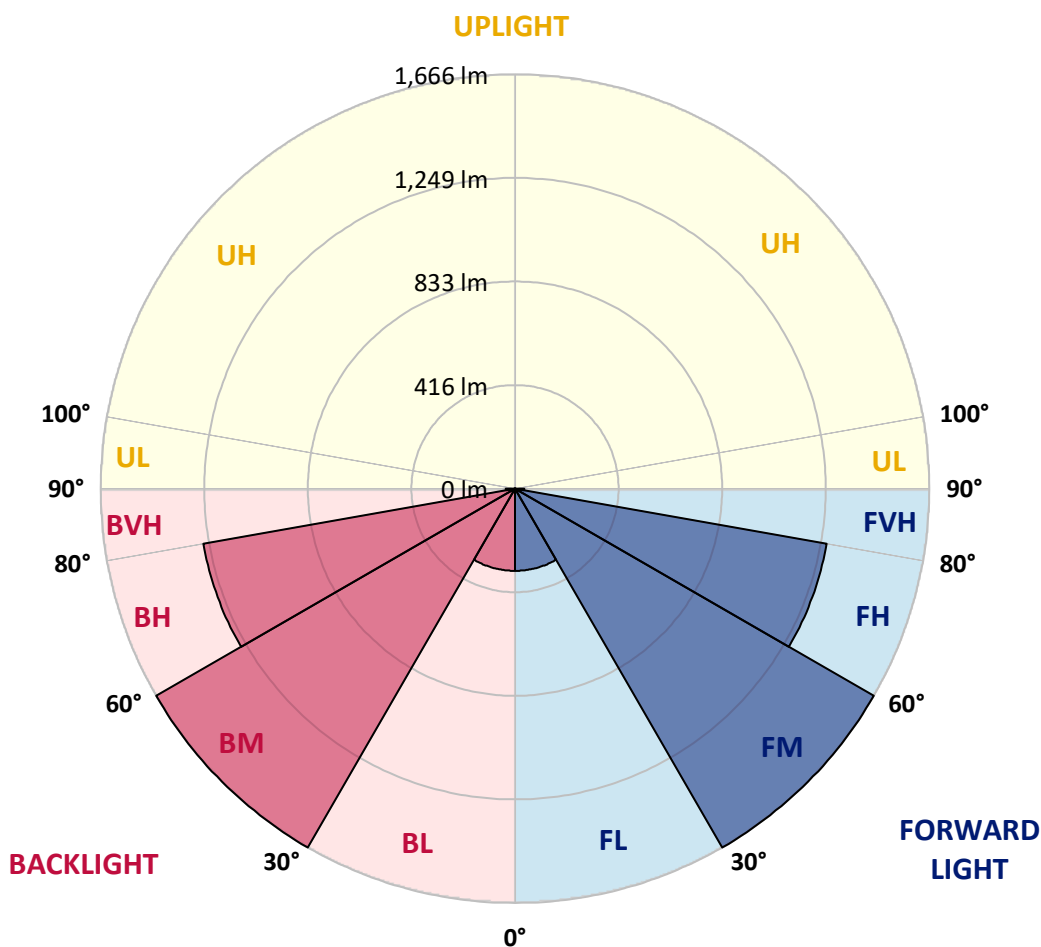


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.3	5.0			
FM (30°-60°)	1665.7	25.2			
FH (60°-80°)	1272.2	19.2			G1/1800
FVH (80°-90°)	36.6	0.6			G1/100
BL (0°-30°)	330.3	5.0	B1/500		
BM (30°-60°)	1665.7	25.2	B2/2500		
BH (60°-80°)	1272.2	19.2	B3/2500		G3/2500
BVH (80°-90°)	36.6	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°	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0
2.5°	550.4	550.4	553.7	557.0	560.2	566.7	573.2	576.5	579.8	579.8	583.0
5°	553.7	553.7	557.0	566.7	576.5	589.5	602.6	612.3	622.1	625.4	628.6
7.5°	563.5	563.5	573.2	583.0	599.3	622.1	641.6	657.9	677.5	684.0	687.2
10°	573.2	573.2	586.3	605.8	628.6	654.7	684.0	706.8	729.6	742.6	745.9
12.5°	579.8	579.8	596.0	625.4	661.2	697.0	723.1	742.6	771.9	788.2	794.7
15°	596.0	596.0	618.8	654.7	700.3	736.1	762.1	778.4	798.0	820.8	824.0
17.5°	618.8	618.8	644.9	687.2	736.1	778.4	801.2	804.5	817.5	837.1	840.3
20°	644.9	644.9	677.5	726.3	778.4	817.5	837.1	827.3	824.0	840.3	843.6
22.5°	687.2	687.2	719.8	775.2	827.3	869.6	872.9	850.1	833.8	843.6	846.8
25°	729.6	729.6	765.4	824.0	892.4	928.3	921.7	885.9	846.8	853.3	856.6
27.5°	771.9	775.2	811.0	876.1	941.3	983.6	977.1	925.0	879.4	866.4	876.1
30°	830.5	833.8	876.1	938.0	996.7	1032.5	1032.5	973.9	915.2	892.4	895.7
32.5°	915.2	921.7	954.3	1009.7	1058.5	1087.9	1078.1	1026.0	954.3	931.5	931.5
35°	1003.2	1006.4	1042.3	1091.1	1130.2	1146.5	1130.2	1081.3	1012.9	980.4	986.9
37.5°	1091.1	1094.4	1133.5	1172.5	1211.6	1211.6	1192.1	1136.7	1068.3	1032.5	1042.3
40°	1188.8	1195.3	1231.2	1276.8	1299.6	1289.8	1263.7	1201.9	1126.9	1091.1	1097.6
42.5°	1289.8	1293.0	1338.6	1387.5	1403.8	1387.5	1345.2	1273.5	1192.1	1159.5	1166.0
45°	1381.0	1381.0	1433.1	1495.0	1514.5	1498.2	1436.4	1361.4	1267.0	1231.2	1234.4
47.5°	1462.4	1465.7	1521.0	1586.2	1622.0	1615.5	1543.8	1455.9	1354.9	1312.6	1306.1
50°	1534.1	1543.8	1592.7	1664.4	1713.2	1729.5	1654.6	1553.6	1452.6	1400.5	1390.8
52.5°	1592.7	1605.7	1657.8	1729.5	1791.4	1837.0	1771.8	1661.1	1553.6	1498.2	1495.0
55°	1612.2	1628.5	1693.7	1781.6	1853.3	1921.7	1882.6	1784.9	1657.8	1602.5	1609.0
57.5°	1569.9	1579.7	1674.1	1791.4	1908.6	1996.6	1980.3	1905.4	1775.1	1723.0	1742.5
60°	1394.0	1413.6	1534.1	1700.2	1905.4	2068.2	2081.3	2025.9	1908.6	1866.3	1882.6
62.5°	1100.9	1113.9	1257.2	1472.2	1781.6	2100.8	2195.3	2152.9	2061.7	2022.6	2048.7
65°	684.0	697.0	840.3	1097.6	1514.5	2006.3	2328.8	2315.8	2234.3	2192.0	2231.1
67.5°	384.3	390.8	465.8	635.1	1055.3	1723.0	2358.1	2501.4	2420.0	2351.6	2380.9
70°	218.2	218.2	244.3	335.5	570.0	1205.1	2058.5	2550.3	2550.3	2459.1	2478.6
72.5°	172.6	172.6	175.9	192.2	270.3	602.6	1436.4	2354.8	2648.0	2540.5	2560.0
75°	146.6	143.3	146.6	149.8	159.6	234.5	713.3	1749.0	2507.9	2517.7	2534.0
77.5°	114.0	114.0	117.3	120.5	123.8	136.8	250.8	814.3	1569.9	1820.7	1853.3
80°	84.7	84.7	91.2	91.2	91.2	101.0	130.3	254.0	491.8	615.6	589.5
82.5°	55.4	52.1	68.4	65.1	65.1	65.1	87.9	127.0	166.1	143.3	107.5
85°	32.6	32.6	39.1	39.1	39.1	35.8	52.1	74.9	97.7	65.1	48.9
87.5°	6.5	6.5	9.8	9.8	9.8	9.8	16.3	22.8	39.1	22.8	16.3
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)