

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: P479580

Luminaire Tested: **IFLD-M-SA4A-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479580
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

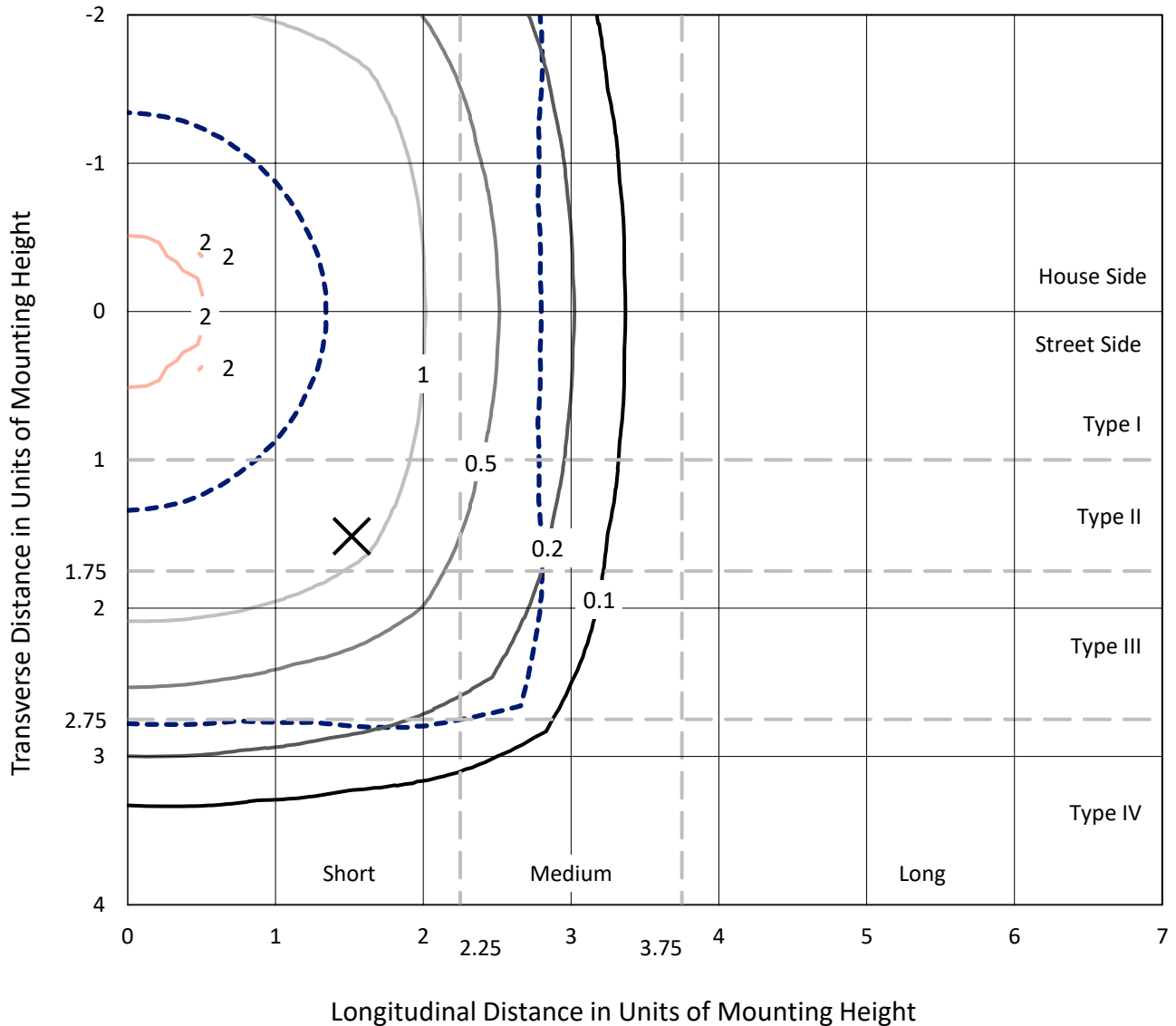
Lumens per Lamp: N/A
Luminaire Lumens: 13959.3 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 128.6
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

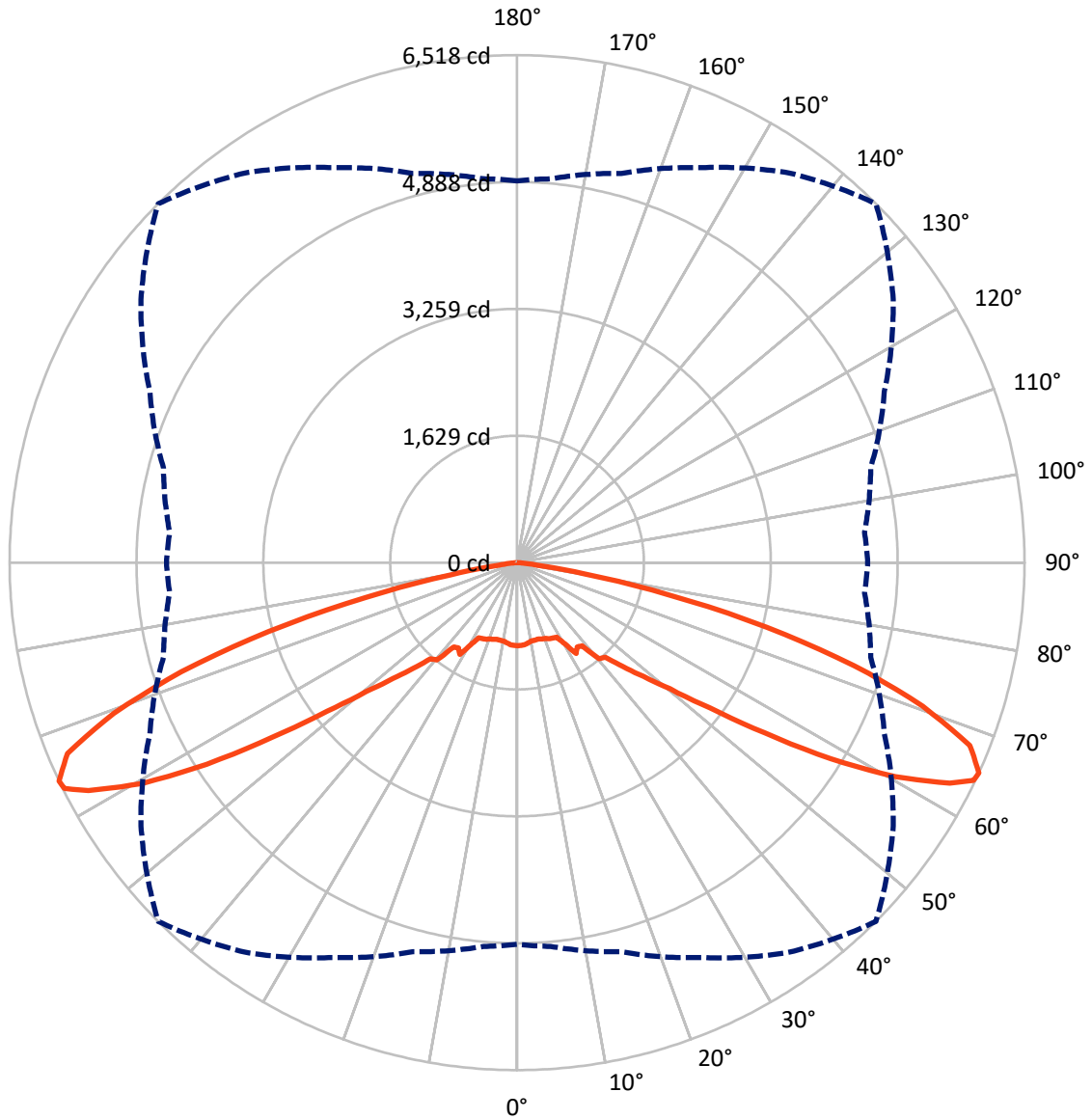
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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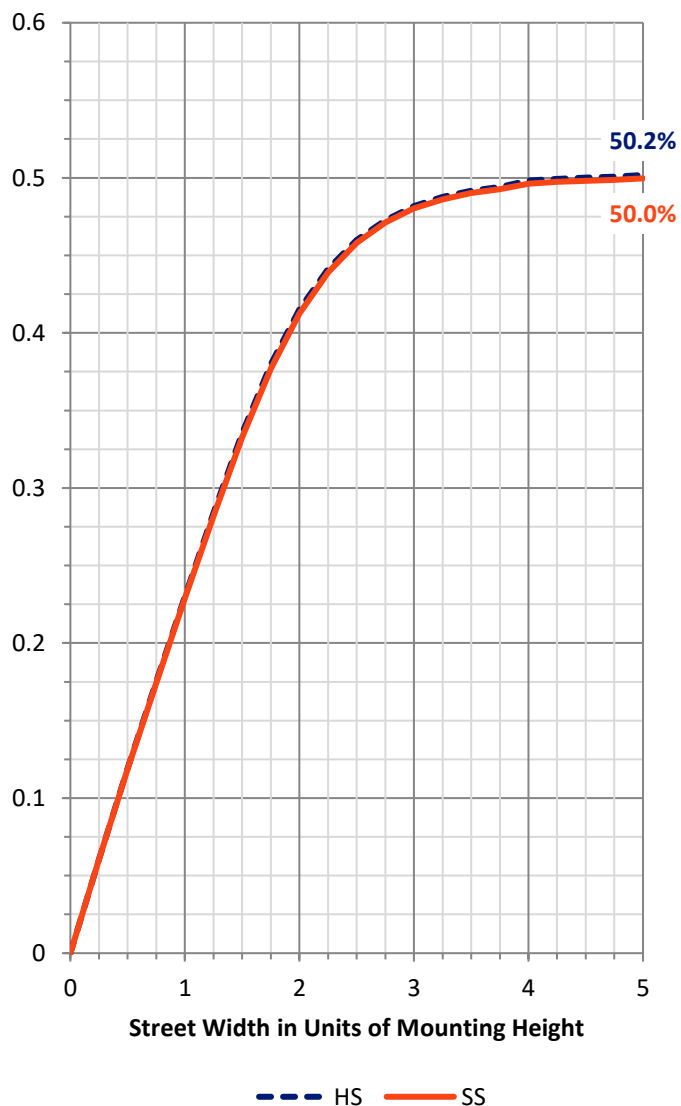
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6979.7	0.0	6979.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6979.7	0.0	6979.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13959.3	0.0	13959.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	0.7
10°-20°	294.2	2.1
20°-30°	509.2	3.6
30°-40°	846.8	6.1
40°-50°	1527.7	10.9
50°-60°	3403.3	24.4
60°-70°	5072.0	36.3
70°-80°	2101.9	15.1
80°-90°	104.1	0.7
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°	13959.3	100.0
0°-180°	13959.3	100.0

Coefficient of Utilization



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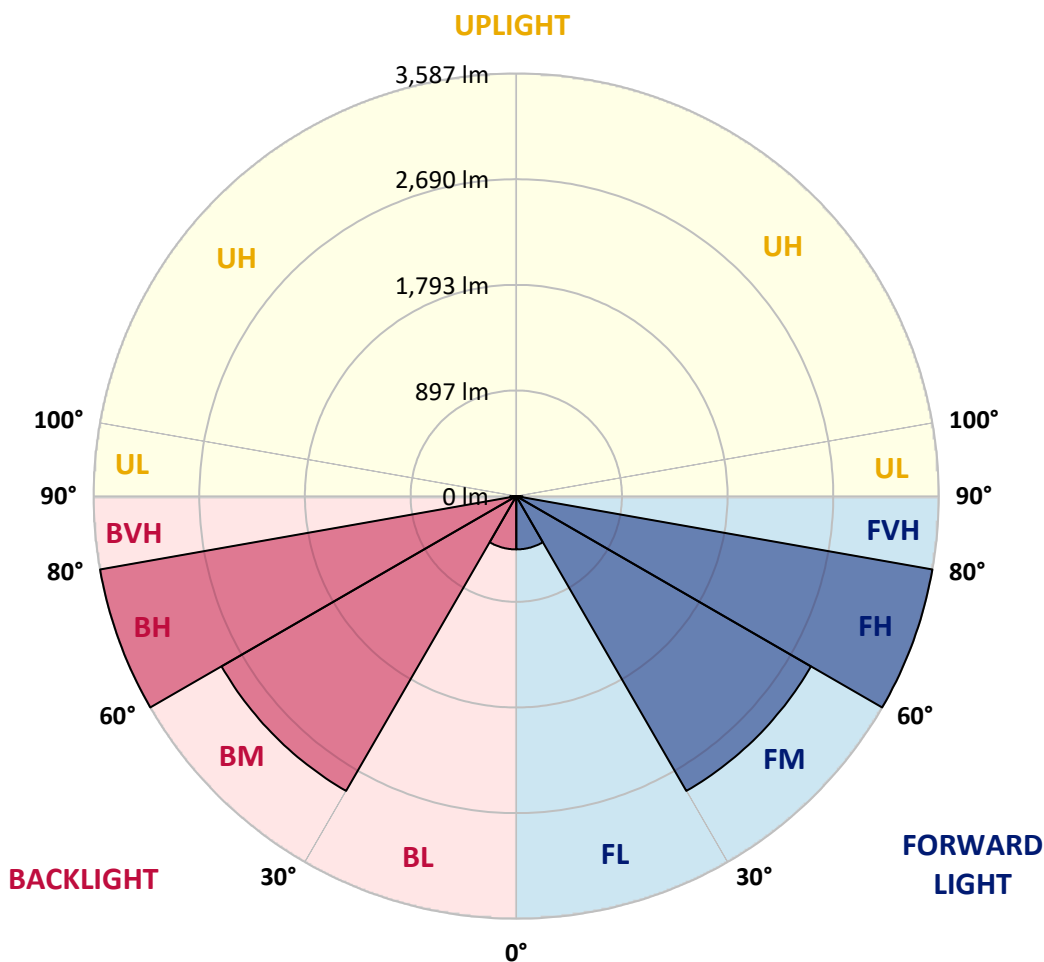
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.8	3.2			
FM (30°-60°)	2888.9	20.7			
FH (60°-80°)	3586.9	25.7			G2/5000
FVH (80°-90°)	52.1	0.4			G1/100
BL (0°-30°)	451.8	3.2	B1/500		
BM (30°-60°)	2888.9	20.7	B3/5000		
BH (60°-80°)	3586.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	52.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3
2.5°	1054.9	1058.0	1056.5	1056.5	1061.1	1064.2	1065.7	1081.2	1075.0	1079.6	1075.0
5°	1058.0	1058.0	1061.1	1058.0	1061.1	1058.0	1061.1	1056.5	1061.1	1064.2	1068.8
7.5°	1051.9	1048.8	1044.1	1044.1	1042.6	1039.5	1034.9	1047.2	1041.1	1045.7	1053.4
10°	1053.4	1048.8	1033.3	1036.4	1022.5	1022.5	1025.6	1025.6	1039.5	1054.9	1059.6
12.5°	1053.4	1044.1	1039.5	1019.5	1019.5	1021.0	1028.7	1031.8	1041.1	1047.2	1062.6
15°	1053.4	1048.8	1041.1	1014.8	1021.0	1017.9	1025.6	1025.6	1045.7	1056.5	1064.2
17.5°	1059.6	1062.6	1048.8	1024.1	1025.6	1031.8	1027.2	1031.8	1056.5	1064.2	1075.0
20°	1061.1	1048.8	1044.1	1028.7	1042.6	1039.5	1038.0	1047.2	1054.9	1068.8	1081.2
22.5°	1058.0	1062.6	1044.1	1042.6	1054.9	1061.1	1064.2	1053.4	1062.6	1071.9	1082.7
25°	1084.2	1067.3	1062.6	1059.6	1065.7	1071.9	1068.8	1078.1	1078.1	1088.9	1102.7
27.5°	1155.2	1156.7	1147.5	1110.5	1098.1	1084.2	1090.4	1115.1	1144.4	1167.5	1172.2
30°	1187.6	1193.7	1218.4	1212.3	1207.6	1212.3	1210.7	1216.9	1220.0	1221.5	1216.9
32.5°	1216.9	1213.8	1203.0	1230.8	1321.8	1391.2	1324.8	1233.8	1213.8	1207.6	1213.8
35°	1323.3	1323.3	1300.2	1264.7	1312.5	1329.5	1298.6	1255.4	1280.1	1331.0	1334.1
37.5°	1460.6	1440.5	1449.8	1445.1	1392.7	1355.7	1409.7	1437.4	1442.1	1440.5	1455.9
40°	1542.3	1528.4	1514.5	1539.2	1587.0	1621.0	1573.2	1506.8	1523.8	1557.7	1543.8
42.5°	1728.9	1693.5	1696.5	1671.9	1670.3	1659.5	1648.7	1653.4	1678.0	1716.6	1722.8
45°	1920.2	1937.1	1926.3	1880.1	1901.7	1901.7	1870.8	1894.0	1906.3	1951.0	1957.2
47.5°	2219.4	2211.7	2216.3	2174.7	2173.1	2183.9	2173.1	2174.7	2213.2	2210.1	2193.2
50°	2569.5	2591.1	2597.2	2577.2	2552.5	2547.9	2530.9	2552.5	2575.7	2577.2	2563.3
52.5°	3053.8	3076.9	3076.9	3083.1	3113.9	3098.5	3095.4	3097.0	3052.2	3021.4	3036.8
55°	3664.5	3672.2	3698.5	3752.4	3846.5	3858.9	3800.2	3774.0	3692.3	3642.9	3681.5
57.5°	4267.6	4298.4	4370.9	4511.2	4626.9	4753.4	4583.7	4411.0	4250.6	4171.9	4185.8
60°	4768.8	4813.5	4952.3	5148.2	5469.0	5584.7	5297.8	5001.7	4676.3	4435.7	4532.8
62.5°	5004.8	5074.2	5191.4	5587.8	6069.0	6235.5	5814.5	5276.2	4782.7	4551.3	4546.7
64°	5006.3	5017.1	5251.6	5678.8	6173.9	6496.2	5939.4	5276.2	4808.9	4523.6	4576.0
65°	4903.0	4947.7	5174.4	5595.5	6107.5	6517.8	5896.2	5203.7	4701.0	4478.9	4503.5
67.5°	4434.1	4432.6	4642.3	5060.3	5771.3	6272.6	5529.2	4798.1	4434.1	4193.5	4222.8
70°	3363.8	3417.8	3618.3	4131.8	4994.0	5530.7	4835.1	4077.9	3624.4	3431.6	3420.8
72.5°	2012.7	2083.7	2339.7	2965.9	3878.9	4531.3	3837.3	3016.8	2470.8	2165.4	2173.1
75°	917.7	970.1	1145.9	1656.4	2584.9	3312.9	2600.3	1744.3	1250.8	1056.5	1028.7
77.5°	257.6	290.0	387.1	760.4	1418.9	1986.5	1459.0	840.6	546.0	453.4	444.2
80°	115.7	121.8	137.3	185.1	450.4	876.0	603.0	308.5	205.1	169.7	161.9
82.5°	63.2	67.9	89.5	95.6	128.0	232.9	199.0	145.0	123.4	98.7	95.6
85°	35.5	37.0	50.9	50.9	61.7	67.9	72.5	77.1	75.6	55.5	54.0
87.5°	10.8	12.3	15.4	15.4	15.4	15.4	24.7	33.9	37.0	26.2	26.2
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)