

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: P479716

Luminaire Tested: **IFLD-S-SA3A-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479716
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

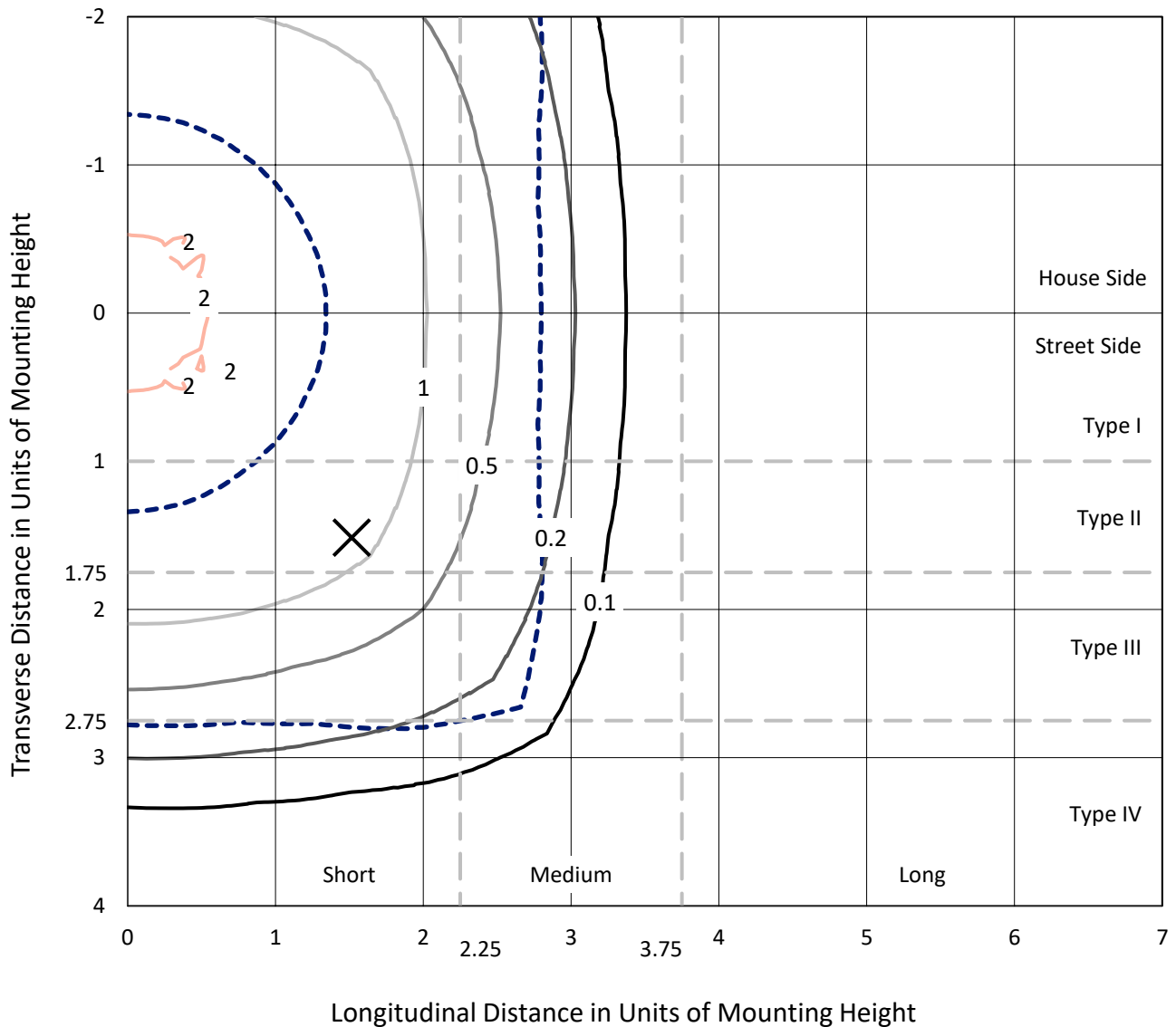
Lumens per Lamp: N/A
Luminaire Lumens: 14118.9 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 94.8
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

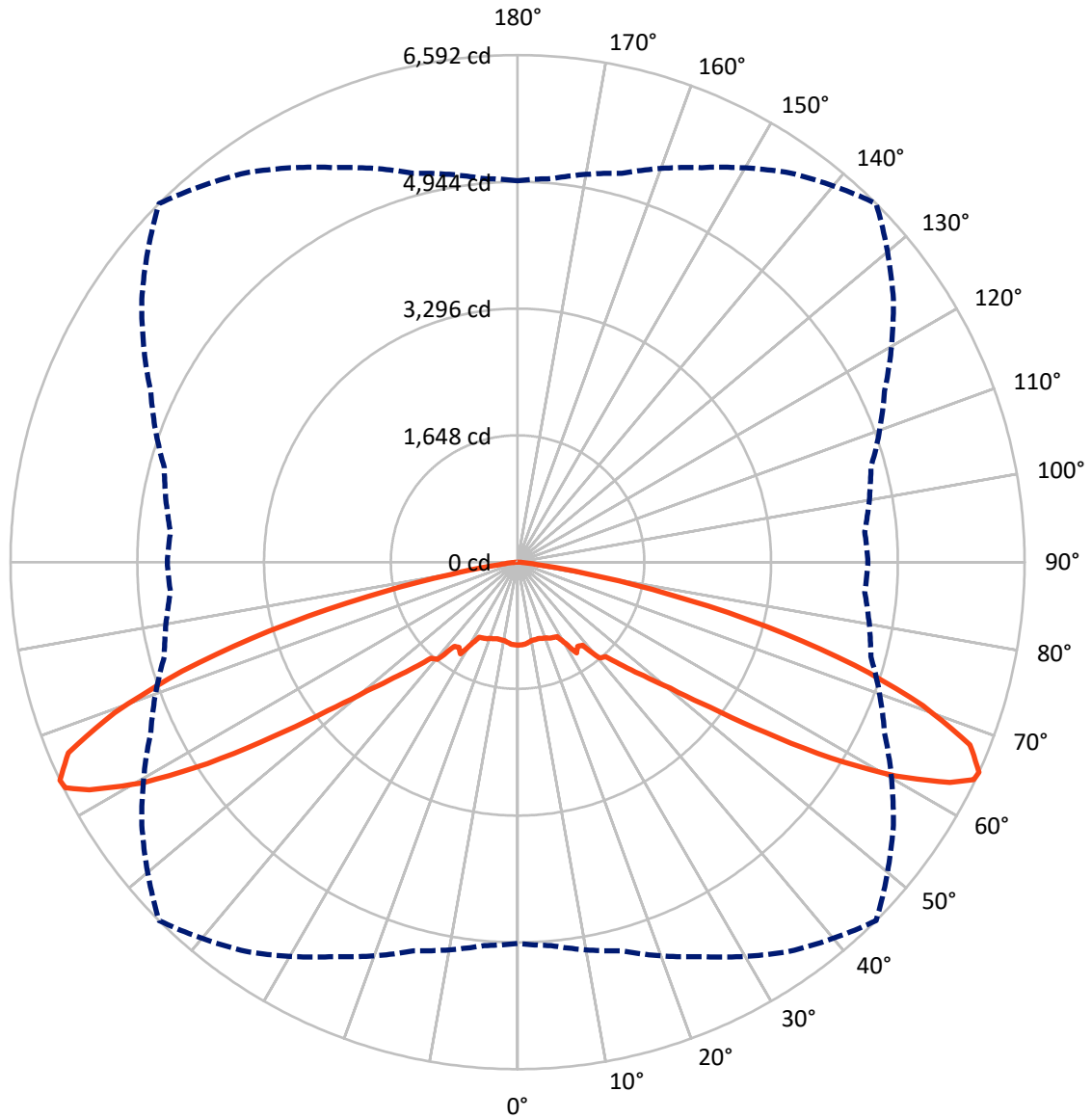
✕ Max cd
 - - - 1/2 Max cd



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	7059.4	0.0	7059.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7059.4	0.0	7059.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14118.9	0.0	14118.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	0.7
10°-20°	297.6	2.1
20°-30°	515.1	3.6
30°-40°	856.5	6.1
40°-50°	1545.2	10.9
50°-60°	3442.2	24.4
60°-70°	5129.9	36.3
70°-80°	2125.9	15.1
80°-90°	105.3	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°	14118.9	100.0
0°-180°	14118.9	100.0

Coefficient of Utilization



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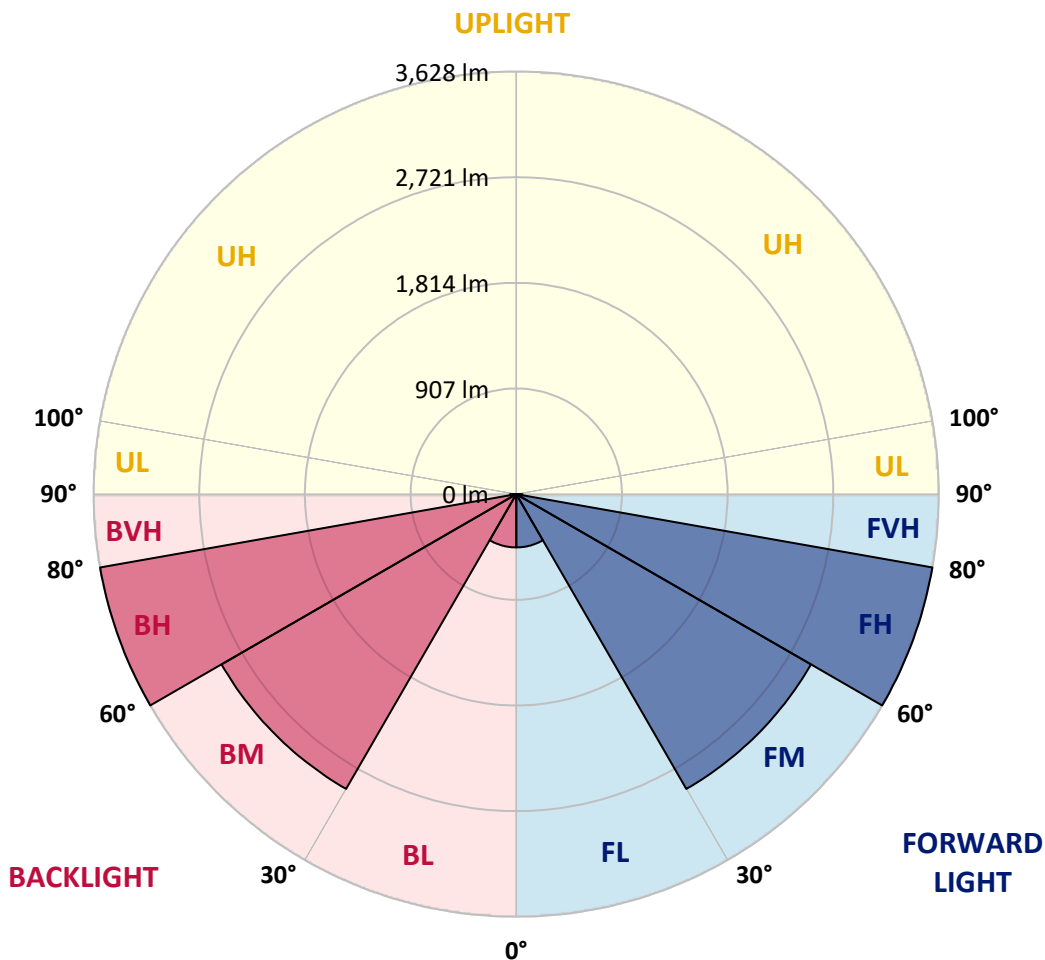
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.0	3.2			
FM (30°-60°)	2921.9	20.7			
FH (60°-80°)	3627.9	25.7			G2/5000
FVH (80°-90°)	52.6	0.4			G1/100
BL (0°-30°)	457.0	3.2	B1/500		
BM (30°-60°)	2921.9	20.7	B3/5000		
BH (60°-80°)	3627.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	52.6	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°	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1067.0	1070.1	1068.6	1068.6	1073.2	1076.4	1077.9	1093.5	1087.3	1092.0	1087.3
5°	1070.1	1070.1	1073.2	1070.1	1073.2	1070.1	1073.2	1068.6	1073.2	1076.4	1081.0
7.5°	1063.9	1060.8	1056.1	1056.1	1054.5	1051.4	1046.7	1059.2	1053.0	1057.6	1065.4
10°	1065.4	1060.8	1045.2	1048.3	1034.2	1034.2	1037.4	1037.4	1051.4	1067.0	1071.7
12.5°	1065.4	1056.1	1051.4	1031.1	1031.1	1032.7	1040.5	1043.6	1053.0	1059.2	1074.8
15°	1065.4	1060.8	1053.0	1026.4	1032.7	1029.6	1037.4	1037.4	1057.6	1068.6	1076.4
17.5°	1071.7	1074.8	1060.8	1035.8	1037.4	1043.6	1038.9	1043.6	1068.6	1076.4	1087.3
20°	1073.2	1060.8	1056.1	1040.5	1054.5	1051.4	1049.8	1059.2	1067.0	1081.0	1093.5
22.5°	1070.1	1074.8	1056.1	1054.5	1067.0	1073.2	1076.4	1065.4	1074.8	1084.2	1095.1
25°	1096.6	1079.5	1074.8	1071.7	1077.9	1084.2	1081.0	1090.4	1090.4	1101.3	1115.4
27.5°	1168.4	1170.0	1160.6	1123.2	1110.7	1096.6	1102.9	1127.8	1157.5	1180.9	1185.5
30°	1201.1	1207.4	1232.3	1226.1	1221.4	1226.1	1224.5	1230.8	1233.9	1235.5	1230.8
32.5°	1230.8	1227.7	1216.7	1244.8	1336.9	1407.1	1340.0	1247.9	1227.7	1221.4	1227.7
35°	1338.4	1338.4	1315.0	1279.1	1327.5	1344.7	1313.5	1269.8	1294.7	1346.2	1349.3
37.5°	1477.3	1457.0	1466.3	1461.7	1408.6	1371.2	1425.8	1453.9	1458.5	1457.0	1472.6
40°	1559.9	1545.9	1531.9	1556.8	1605.2	1639.5	1591.1	1524.1	1541.2	1575.5	1561.5
42.5°	1748.7	1712.8	1715.9	1691.0	1689.4	1678.5	1667.6	1672.2	1697.2	1736.2	1742.4
45°	1942.1	1959.3	1948.4	1901.6	1923.4	1923.4	1892.2	1915.6	1928.1	1973.3	1979.6
47.5°	2244.7	2236.9	2241.6	2199.5	2197.9	2208.9	2197.9	2199.5	2238.5	2235.4	2218.2
50°	2598.8	2620.7	2626.9	2606.6	2581.7	2577.0	2559.9	2581.7	2605.1	2606.6	2592.6
52.5°	3088.7	3112.1	3112.1	3118.3	3149.5	3133.9	3130.8	3132.3	3087.1	3055.9	3071.5
55°	3706.4	3714.2	3740.7	3795.3	3890.5	3903.0	3843.7	3817.2	3734.5	3684.6	3723.6
57.5°	4316.3	4347.5	4420.9	4562.8	4679.8	4807.7	4636.1	4461.4	4299.2	4219.6	4233.7
60°	4823.3	4868.6	5008.9	5207.1	5531.5	5648.5	5358.4	5058.9	4729.7	4486.4	4584.6
62.5°	5062.0	5132.2	5250.7	5651.6	6138.3	6306.8	5881.0	5336.5	4837.4	4603.4	4598.7
64°	5063.5	5074.5	5311.6	5743.7	6244.4	6570.4	6007.3	5336.5	4863.9	4575.3	4628.3
65°	4959.0	5004.3	5233.6	5659.4	6177.3	6592.3	5963.6	5263.2	4754.7	4530.0	4555.0
67.5°	4484.8	4483.2	4695.4	5118.1	5837.3	6344.3	5592.4	4853.0	4484.8	4241.5	4271.1
70°	3402.2	3456.8	3659.6	4179.1	5051.1	5593.9	4890.4	4124.5	3665.8	3470.9	3459.9
72.5°	2035.7	2107.5	2366.4	2999.8	3923.2	4583.1	3881.1	3051.2	2499.0	2190.1	2197.9
75°	928.2	981.2	1159.0	1675.4	2614.4	3350.7	2630.0	1764.3	1265.1	1068.6	1040.5
77.5°	260.5	293.3	391.5	769.0	1435.1	2009.2	1475.7	850.2	552.2	458.6	449.3
80°	117.0	123.2	138.8	187.2	455.5	886.0	609.9	312.0	207.5	171.6	163.8
82.5°	64.0	68.6	90.5	96.7	129.5	235.6	201.2	146.6	124.8	99.8	96.7
85°	35.9	37.4	51.5	51.5	62.4	68.6	73.3	78.0	76.4	56.2	54.6
87.5°	10.9	12.5	15.6	15.6	15.6	15.6	25.0	34.3	37.4	26.5	26.5
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)