

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: P479600

Luminaire Tested: **IFLD-S-SA3B-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479600
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

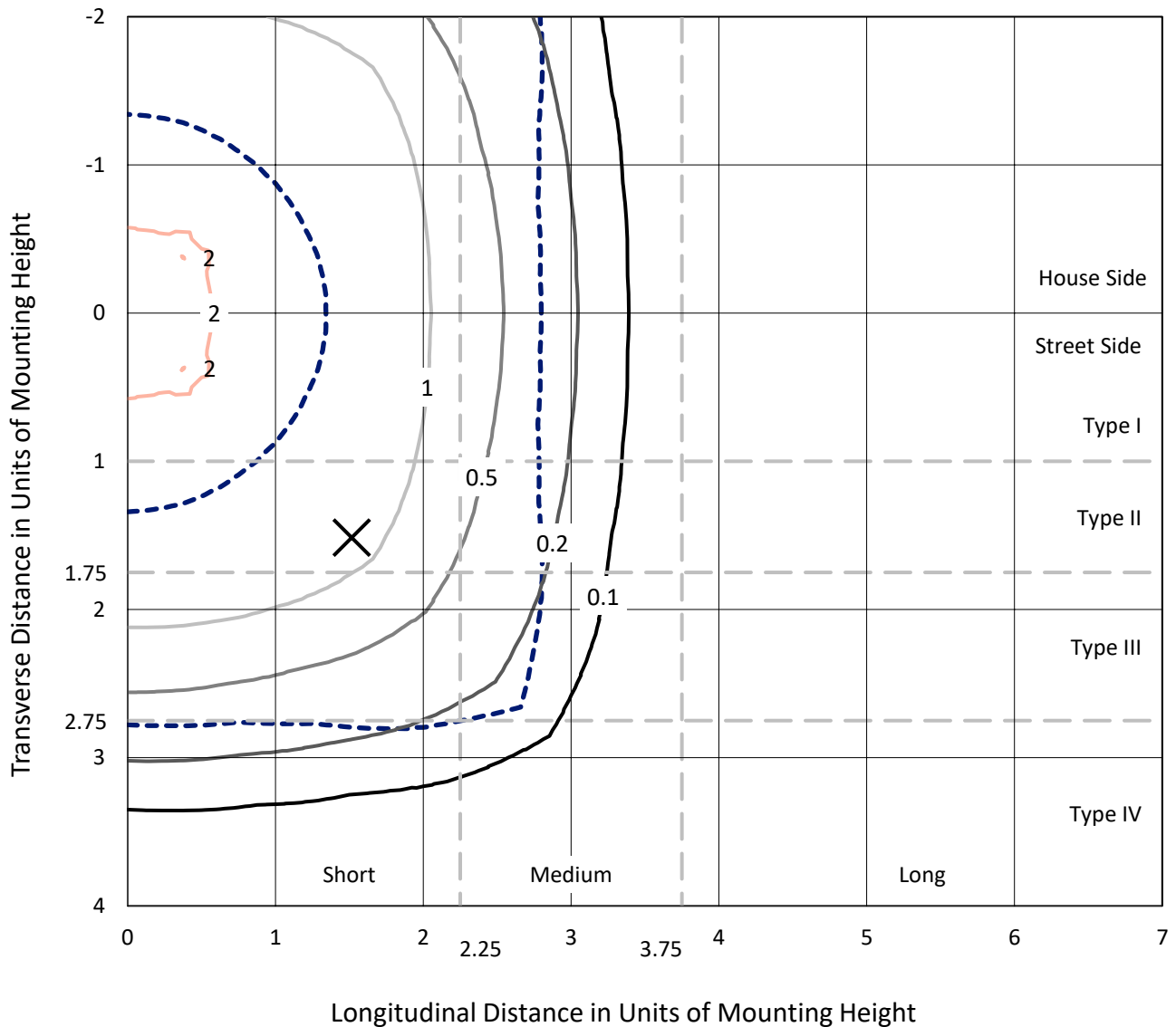
Lumens per Lamp: N/A
Luminaire Lumens: 14603.1 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

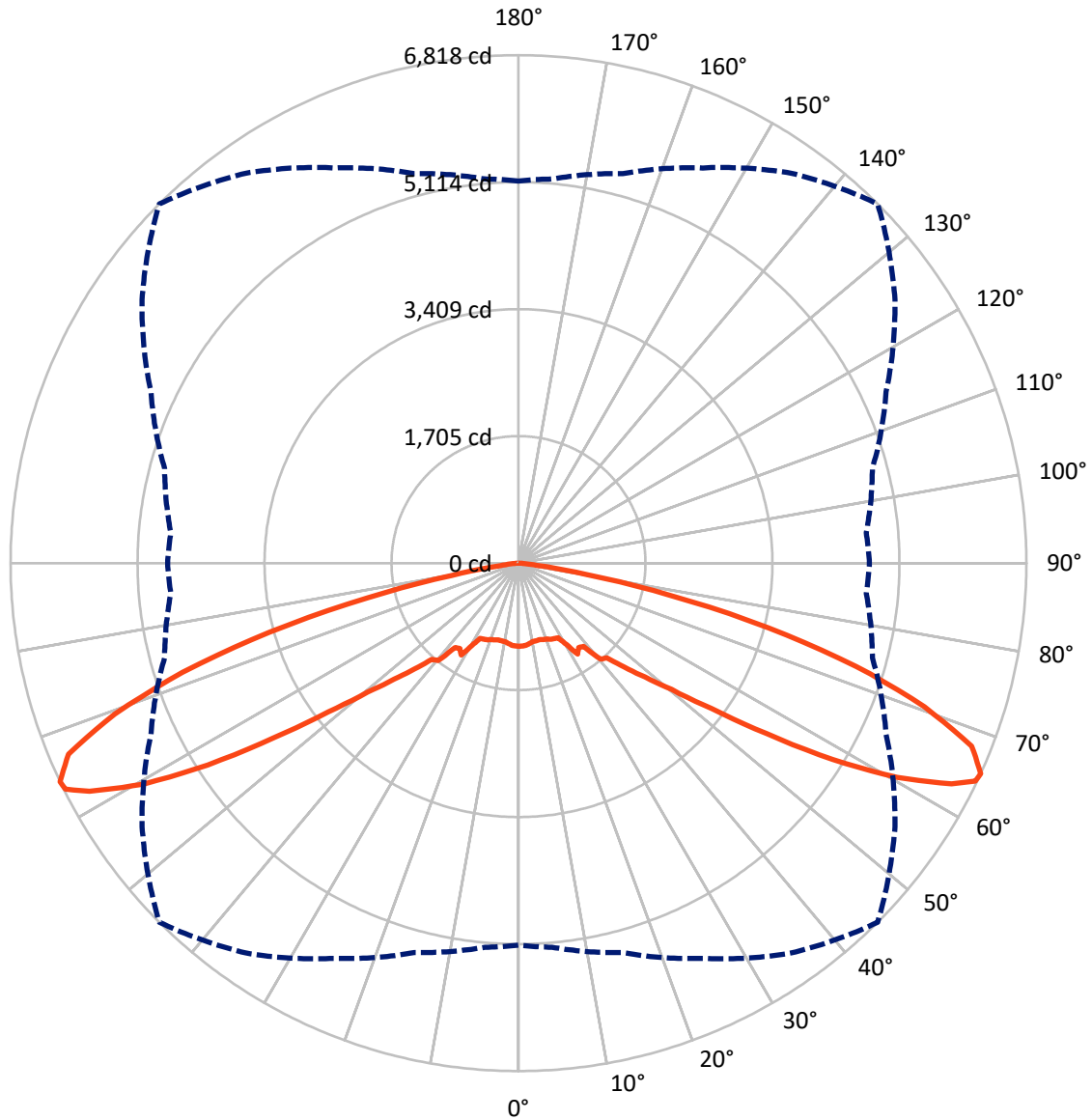
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 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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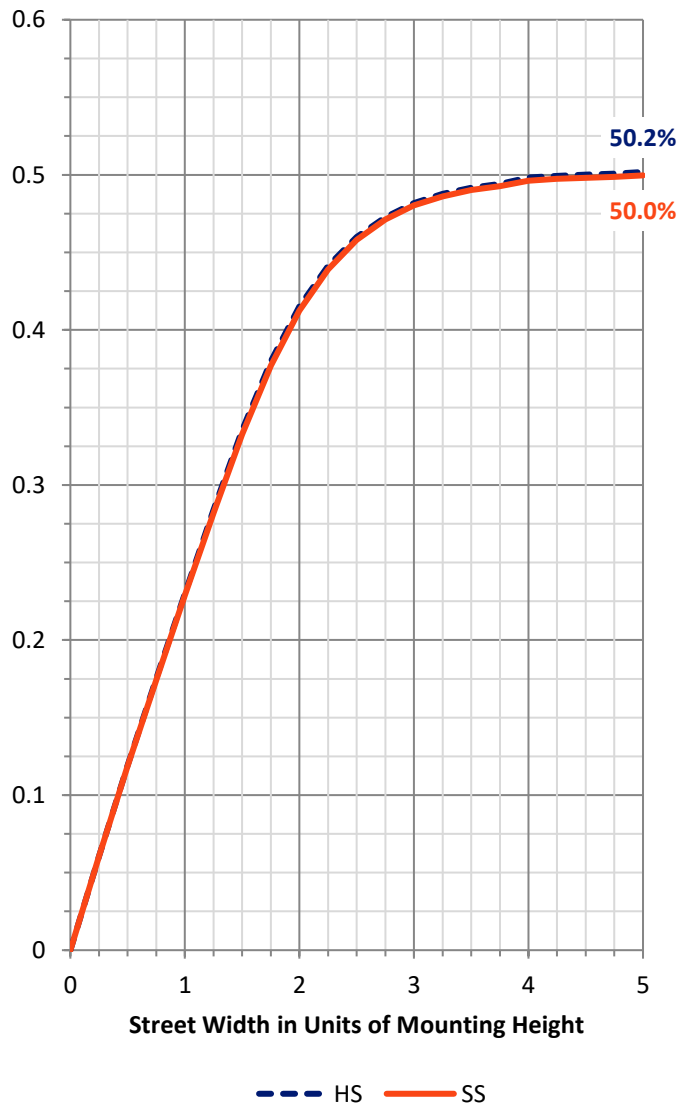
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7301.5	0.0	7301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7301.5	0.0	7301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14603.1	0.0	14603.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	0.7
10°-20°	307.8	2.1
20°-30°	532.7	3.6
30°-40°	885.8	6.1
40°-50°	1598.2	10.9
50°-60°	3560.2	24.4
60°-70°	5305.9	36.3
70°-80°	2198.8	15.1
80°-90°	108.9	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°	14603.1	100.0
0°-180°	14603.1	100.0

Coefficient of Utilization



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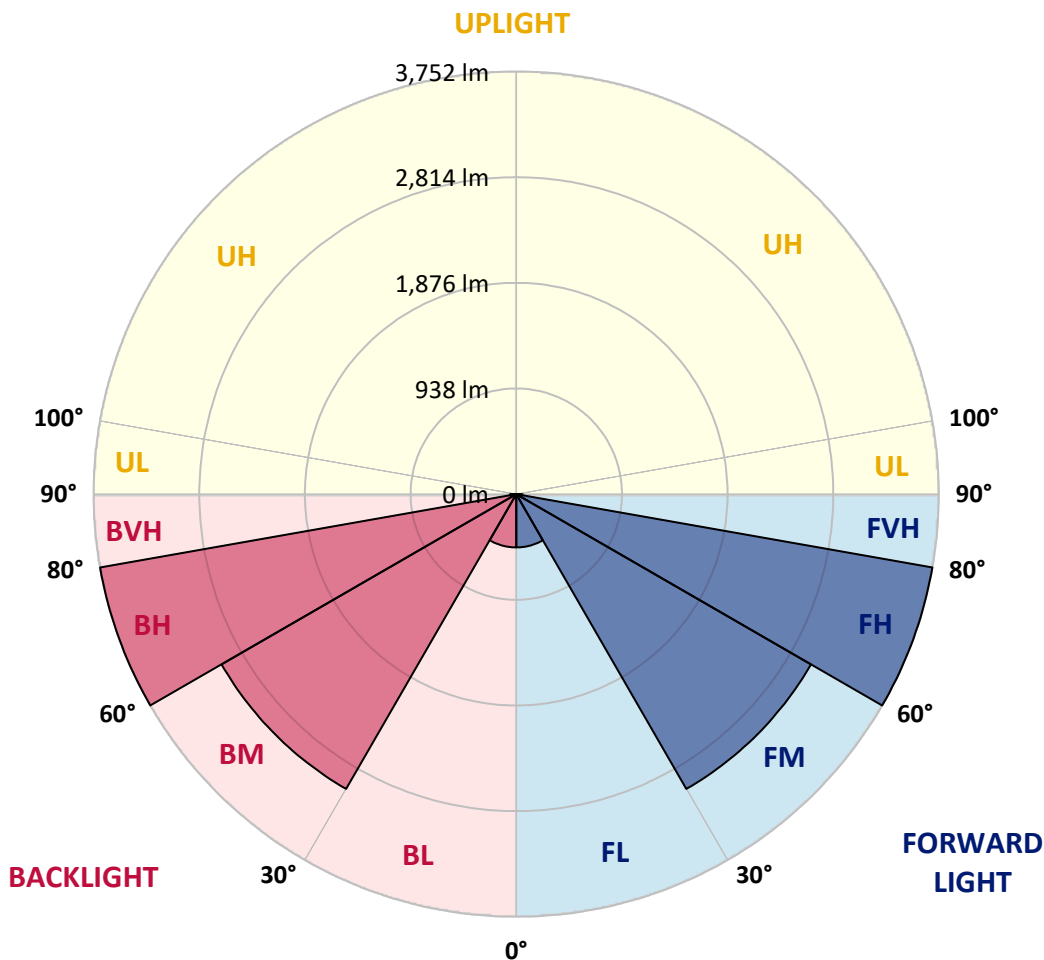
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.6	3.2			
FM (30°-60°)	3022.1	20.7			
FH (60°-80°)	3752.3	25.7			G2/5000
FVH (80°-90°)	54.4	0.4			G1/100
BL (0°-30°)	472.6	3.2	B1/500		
BM (30°-60°)	3022.1	20.7	B3/5000		
BH (60°-80°)	3752.3	25.7	B4/5000		G2/5000
BVH (80°-90°)	54.4	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°	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1103.6	1106.8	1105.2	1105.2	1110.0	1113.3	1114.9	1131.0	1124.6	1129.4	1124.6
5°	1106.8	1106.8	1110.0	1106.8	1110.0	1106.8	1110.0	1105.2	1110.0	1113.3	1118.1
7.5°	1100.4	1097.1	1092.3	1092.3	1090.7	1087.5	1082.6	1095.5	1089.1	1093.9	1102.0
10°	1102.0	1097.1	1081.0	1084.2	1069.7	1069.7	1072.9	1072.9	1087.5	1103.6	1108.4
12.5°	1102.0	1092.3	1087.5	1066.5	1066.5	1068.1	1076.2	1079.4	1089.1	1095.5	1111.7
15°	1102.0	1097.1	1089.1	1061.6	1068.1	1064.9	1072.9	1072.9	1093.9	1105.2	1113.3
17.5°	1108.4	1111.7	1097.1	1071.3	1072.9	1079.4	1074.5	1079.4	1105.2	1113.3	1124.6
20°	1110.0	1097.1	1092.3	1076.2	1090.7	1087.5	1085.8	1095.5	1103.6	1118.1	1131.0
22.5°	1106.8	1111.7	1092.3	1090.7	1103.6	1110.0	1113.3	1102.0	1111.7	1121.3	1132.6
25°	1134.2	1116.5	1111.7	1108.4	1114.9	1121.3	1118.1	1127.8	1127.8	1139.1	1153.6
27.5°	1208.5	1210.1	1200.4	1161.7	1148.8	1134.2	1140.7	1166.5	1197.2	1221.4	1226.2
30°	1242.3	1248.8	1274.6	1268.2	1263.3	1268.2	1266.5	1273.0	1276.2	1277.8	1273.0
32.5°	1273.0	1269.8	1258.5	1287.5	1382.7	1455.3	1385.9	1290.7	1269.8	1263.3	1269.8
35°	1384.3	1384.3	1360.1	1323.0	1373.0	1390.8	1358.5	1313.3	1339.1	1392.4	1395.6
37.5°	1527.9	1506.9	1516.6	1511.8	1456.9	1418.2	1474.7	1503.7	1508.6	1506.9	1523.1
40°	1613.4	1598.9	1584.4	1610.2	1660.2	1695.7	1645.7	1576.3	1594.1	1629.6	1615.0
42.5°	1808.7	1771.5	1774.8	1749.0	1747.3	1736.1	1724.8	1729.6	1755.4	1795.7	1802.2
45°	2008.7	2026.5	2015.2	1966.8	1989.4	1989.4	1957.1	1981.3	1994.2	2041.0	2047.4
47.5°	2321.7	2313.7	2318.5	2274.9	2273.3	2284.6	2273.3	2274.9	2315.3	2312.0	2294.3
50°	2688.0	2710.6	2717.0	2696.0	2670.2	2665.4	2647.6	2670.2	2694.4	2696.0	2681.5
52.5°	3194.6	3218.8	3218.8	3225.2	3257.5	3241.4	3238.2	3239.8	3193.0	3160.7	3176.8
55°	3833.5	3841.6	3869.0	3925.5	4023.9	4036.8	3975.5	3948.1	3862.6	3810.9	3851.3
57.5°	4464.4	4496.6	4572.5	4719.3	4840.3	4972.6	4795.1	4614.4	4446.6	4364.3	4378.9
60°	4988.7	5035.5	5180.7	5385.6	5721.2	5842.2	5542.1	5232.4	4891.9	4640.2	4741.9
62.5°	5235.6	5308.2	5430.8	5845.5	6348.9	6523.1	6082.6	5519.5	5003.2	4761.2	4756.4
64°	5237.2	5248.5	5493.7	5940.7	6458.6	6795.8	6213.3	5519.5	5030.7	4732.2	4787.1
65°	5129.1	5175.9	5413.1	5853.5	6389.2	6818.4	6168.1	5443.7	4917.7	4685.4	4711.2
67.5°	4638.6	4637.0	4856.4	5293.7	6037.5	6561.8	5784.2	5019.4	4638.6	4386.9	4417.6
70°	3518.9	3575.4	3785.1	4322.4	5224.3	5785.8	5058.1	4265.9	3791.6	3589.9	3578.6
72.5°	2105.5	2179.7	2447.6	3102.6	4057.8	4740.3	4014.2	3155.9	2584.7	2265.3	2273.3
75°	960.0	1014.8	1198.8	1732.8	2704.1	3465.6	2720.2	1824.8	1308.5	1105.2	1076.2
77.5°	269.4	303.3	405.0	795.4	1484.4	2078.1	1526.3	879.3	571.2	474.3	464.7
80°	121.0	127.5	143.6	193.6	471.1	916.4	630.9	322.7	214.6	177.5	169.4
82.5°	66.2	71.0	93.6	100.0	133.9	243.6	208.1	151.7	129.1	103.3	100.0
85°	37.1	38.7	53.2	53.2	64.5	71.0	75.8	80.7	79.1	58.1	56.5
87.5°	11.3	12.9	16.1	16.1	16.1	16.1	25.8	35.5	38.7	27.4	27.4
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)