

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: P479751

Luminaire Tested: **IFLD-S-SA2B-750-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479751  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-750-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

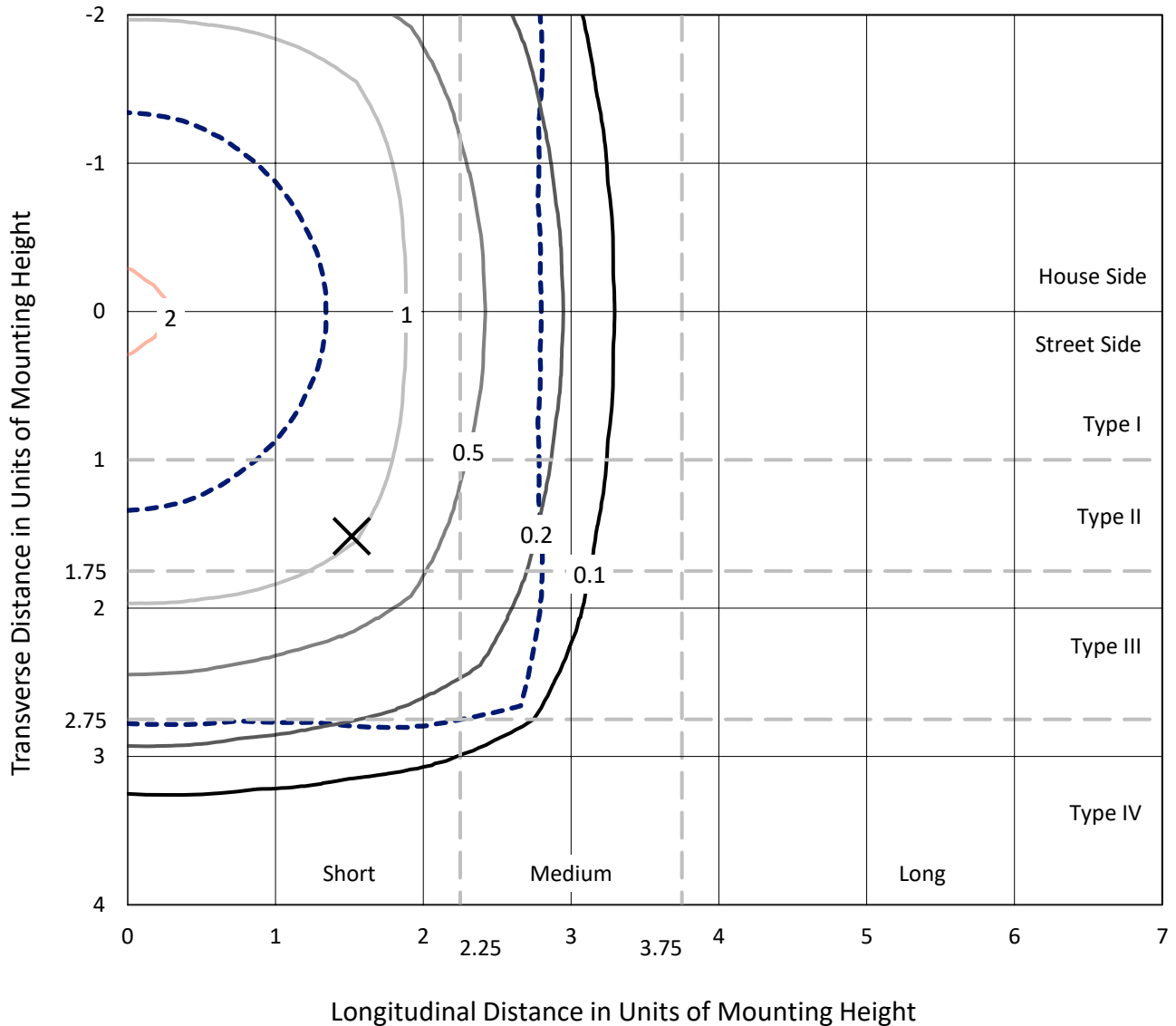
Lumens per Lamp: N/A  
Luminaire Lumens: 11985.1 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 82.4  
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

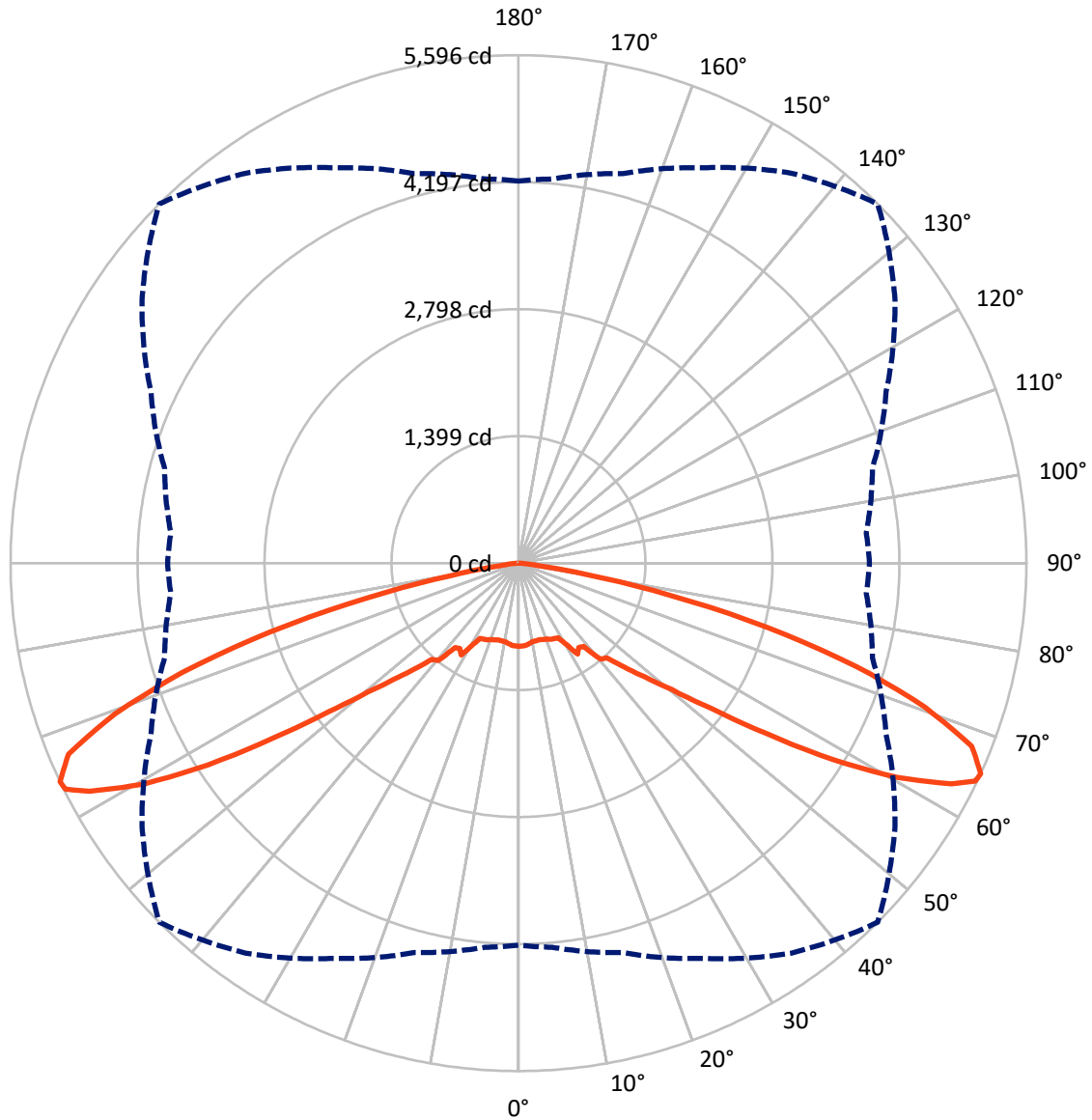
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 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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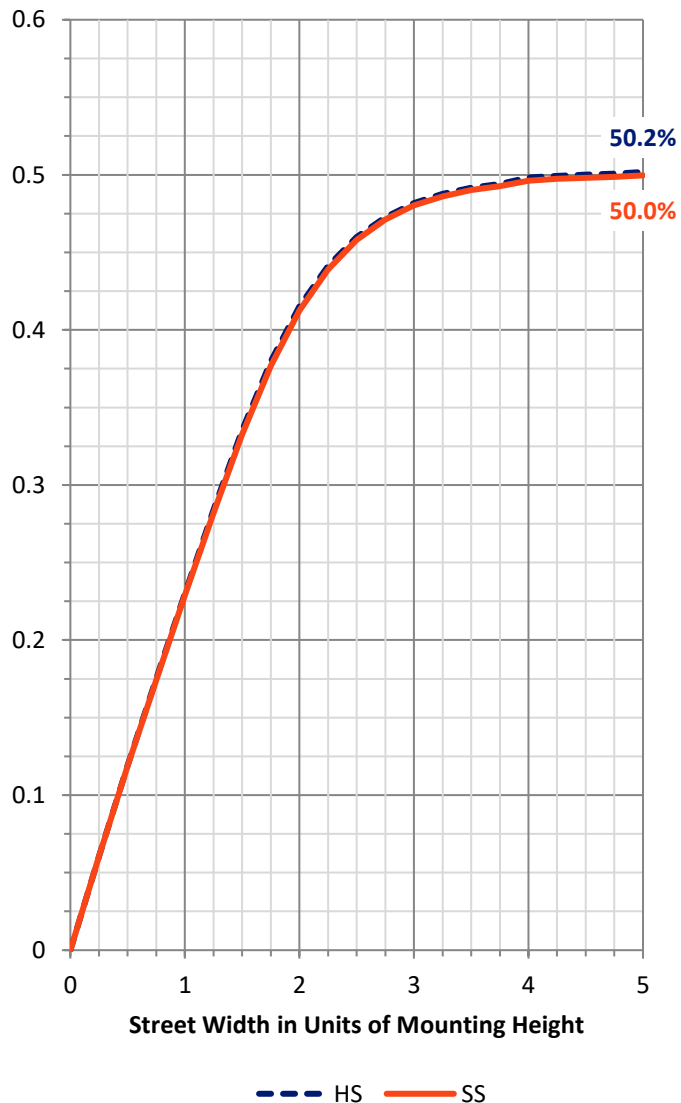
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5992.6	0.0	5992.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5992.6	0.0	5992.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11985.1	0.0	11985.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	0.7
10°-20°	252.6	2.1
20°-30°	437.2	3.6
30°-40°	727.0	6.1
40°-50°	1311.7	10.9
50°-60°	2922.0	24.4
60°-70°	4354.7	36.3
70°-80°	1804.6	15.1
80°-90°	89.4	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°	11985.1	100.0
0°-180°	11985.1	100.0

**Coefficient of Utilization**



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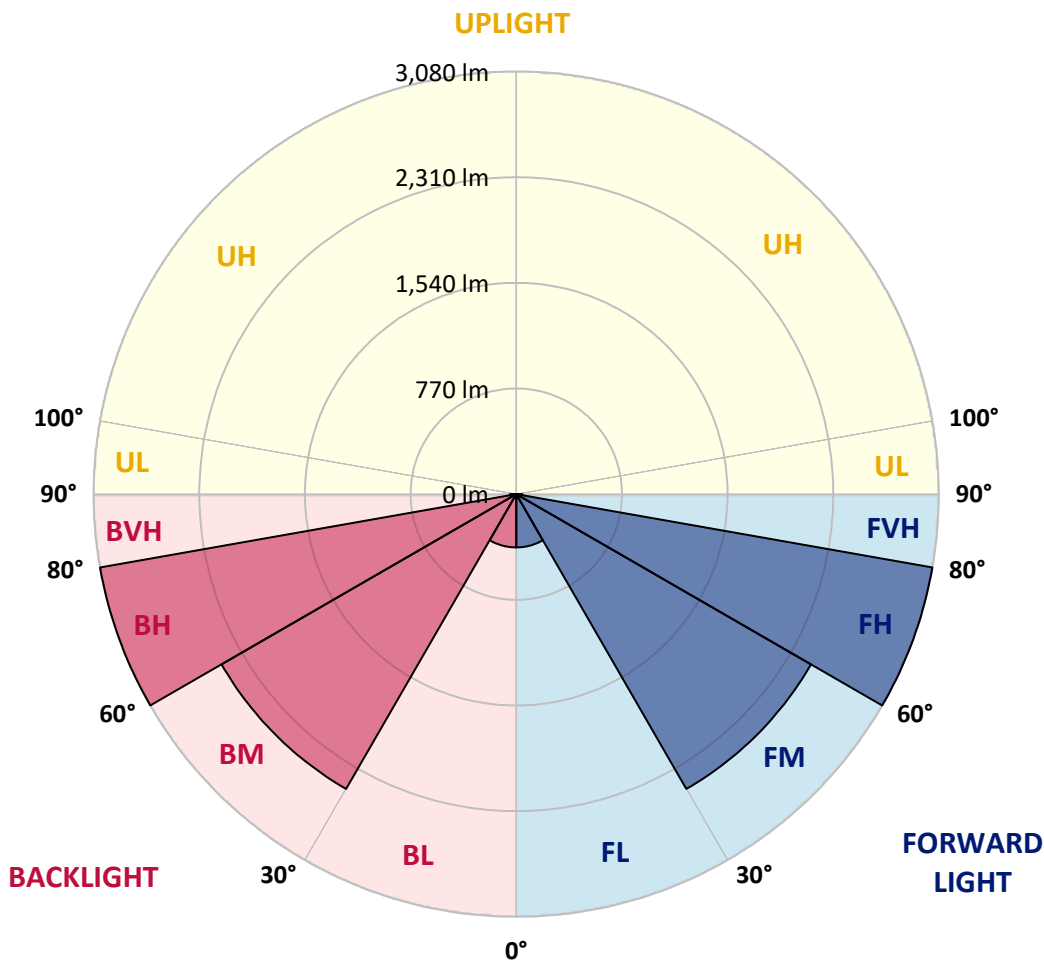
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.9	3.2			
FM (30°-60°)	2480.3	20.7			
FH (60°-80°)	3079.6	25.7			G2/5000
FVH (80°-90°)	44.7	0.4			G1/100
BL (0°-30°)	387.9	3.2	B1/500		
BM (30°-60°)	2480.3	20.7	B2/2500		
BH (60°-80°)	3079.6	25.7	B4/5000		G2/5000
BVH (80°-90°)	44.7	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°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	905.7	908.4	907.1	907.1	911.0	913.7	915.0	928.3	923.0	926.9	923.0
5°	908.4	908.4	911.0	908.4	911.0	908.4	911.0	907.1	911.0	913.7	917.7
7.5°	903.1	900.4	896.5	896.5	895.1	892.5	888.5	899.1	893.8	897.8	904.4
10°	904.4	900.4	887.2	889.9	877.9	877.9	880.6	880.6	892.5	905.7	909.7
12.5°	904.4	896.5	892.5	875.3	875.3	876.6	883.2	885.9	893.8	899.1	912.4
15°	904.4	900.4	893.8	871.3	876.6	874.0	880.6	880.6	897.8	907.1	913.7
17.5°	909.7	912.4	900.4	879.3	880.6	885.9	881.9	885.9	907.1	913.7	923.0
20°	911.0	900.4	896.5	883.2	895.1	892.5	891.2	899.1	905.7	917.7	928.3
22.5°	908.4	912.4	896.5	895.1	905.7	911.0	913.7	904.4	912.4	920.3	929.6
25°	930.9	916.3	912.4	909.7	915.0	920.3	917.7	925.6	925.6	934.9	946.8
27.5°	991.8	993.1	985.2	953.4	942.8	930.9	936.2	957.4	982.5	1002.4	1006.4
30°	1019.6	1024.9	1046.1	1040.8	1036.8	1040.8	1039.5	1044.8	1047.4	1048.8	1044.8
32.5°	1044.8	1042.1	1032.9	1056.7	1134.8	1194.4	1137.5	1059.3	1042.1	1036.8	1042.1
35°	1136.2	1136.2	1116.3	1085.8	1126.9	1141.4	1115.0	1077.9	1099.1	1142.8	1145.4
37.5°	1254.0	1236.8	1244.7	1240.8	1195.7	1164.0	1210.3	1234.1	1238.1	1236.8	1250.0
40°	1324.2	1312.3	1300.4	1321.5	1362.6	1391.7	1350.7	1293.7	1308.3	1337.4	1325.5
42.5°	1484.4	1454.0	1456.6	1435.4	1434.1	1424.8	1415.6	1419.5	1440.7	1473.8	1479.1
45°	1648.6	1663.2	1653.9	1614.2	1632.7	1632.7	1606.2	1626.1	1636.7	1675.1	1680.4
47.5°	1905.5	1898.9	1902.9	1867.1	1865.8	1875.0	1865.8	1867.1	1900.2	1897.6	1883.0
50°	2206.1	2224.6	2229.9	2212.7	2191.5	2187.6	2173.0	2191.5	2211.4	2212.7	2200.8
52.5°	2621.9	2641.7	2641.7	2647.0	2673.5	2660.3	2657.6	2659.0	2620.6	2594.1	2607.3
55°	3146.3	3152.9	3175.4	3221.7	3302.5	3313.1	3262.8	3240.3	3170.1	3127.7	3160.8
57.5°	3664.0	3690.5	3752.7	3873.2	3972.6	4081.1	3935.5	3787.2	3649.5	3581.9	3593.8
60°	4094.4	4132.8	4252.0	4420.1	4695.6	4794.9	4548.6	4294.3	4014.9	3808.4	3891.8
62.5°	4297.0	4356.6	4457.2	4797.5	5210.7	5353.7	4992.2	4530.0	4106.3	3907.7	3903.7
64°	4298.3	4307.6	4508.9	4875.7	5300.7	5577.5	5099.4	4530.0	4128.8	3883.8	3928.9
65°	4209.6	4248.0	4442.6	4804.1	5243.8	5596.0	5062.4	4467.8	4036.1	3845.4	3866.6
67.5°	3807.0	3805.7	3985.8	4344.7	4955.1	5385.5	4747.2	4119.5	3807.0	3600.5	3625.6
70°	2888.0	2934.4	3106.5	3547.5	4287.7	4748.5	4151.3	3501.1	3111.8	2946.3	2937.0
72.5°	1728.1	1789.0	2008.8	2546.4	3330.3	3890.5	3294.6	2590.1	2121.3	1859.2	1865.8
75°	787.9	832.9	983.9	1422.2	2219.3	2844.4	2232.6	1497.7	1073.9	907.1	883.2
77.5°	221.1	248.9	332.4	652.8	1218.3	1705.6	1252.7	721.7	468.8	389.3	381.4
80°	99.3	104.6	117.9	158.9	386.7	752.1	517.8	264.8	176.1	145.7	139.0
82.5°	54.3	58.3	76.8	82.1	109.9	200.0	170.8	124.5	105.9	84.7	82.1
85°	30.5	31.8	43.7	43.7	53.0	58.3	62.2	66.2	64.9	47.7	46.3
87.5°	9.3	10.6	13.2	13.2	13.2	13.2	21.2	29.1	31.8	22.5	22.5
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)