

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: P479874

Luminaire Tested: **IFLD-S-SA3C-830-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479874  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-830-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

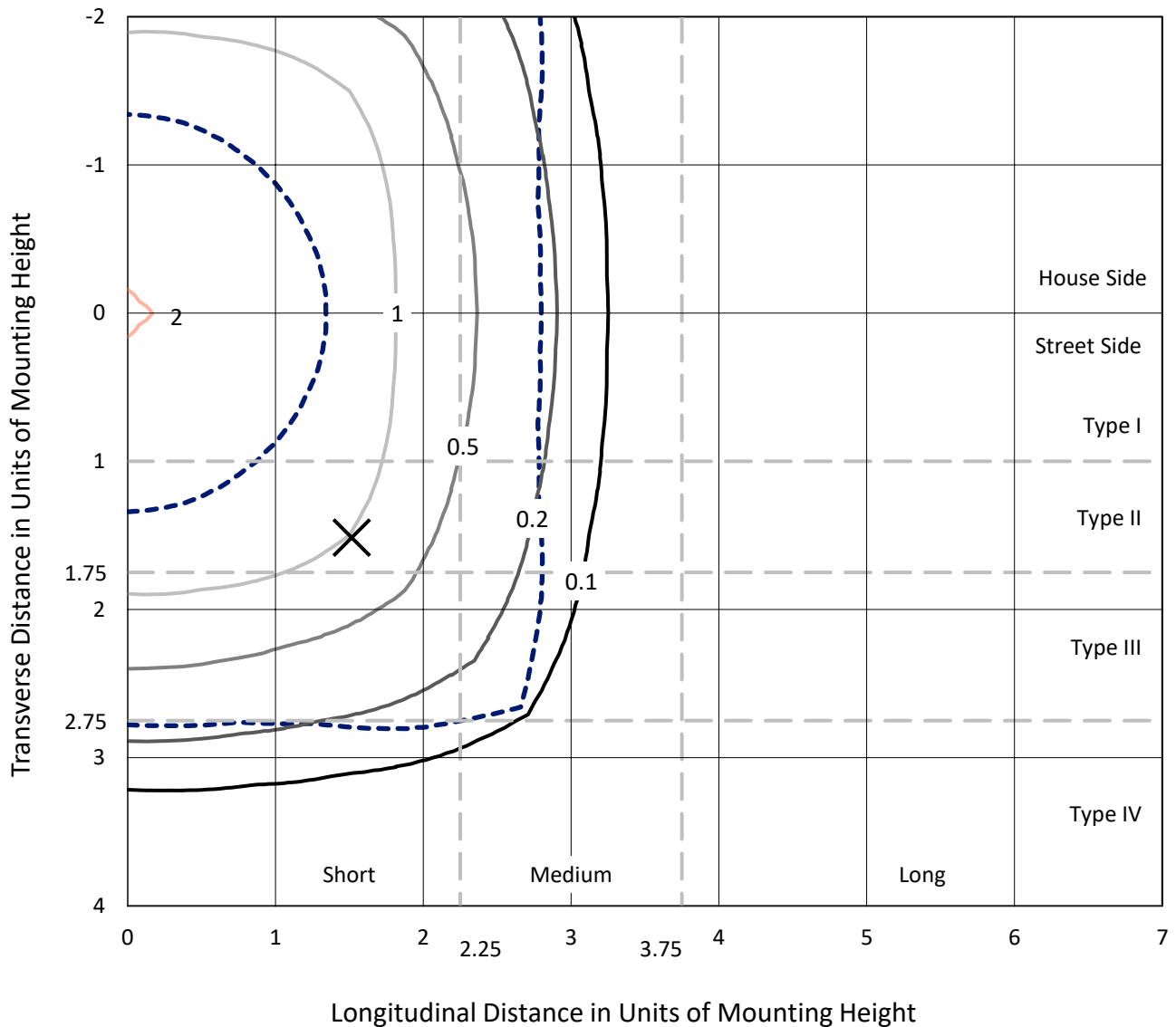
Lumens per Lamp: N/A  
Luminaire Lumens: 17272 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 160.8  
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

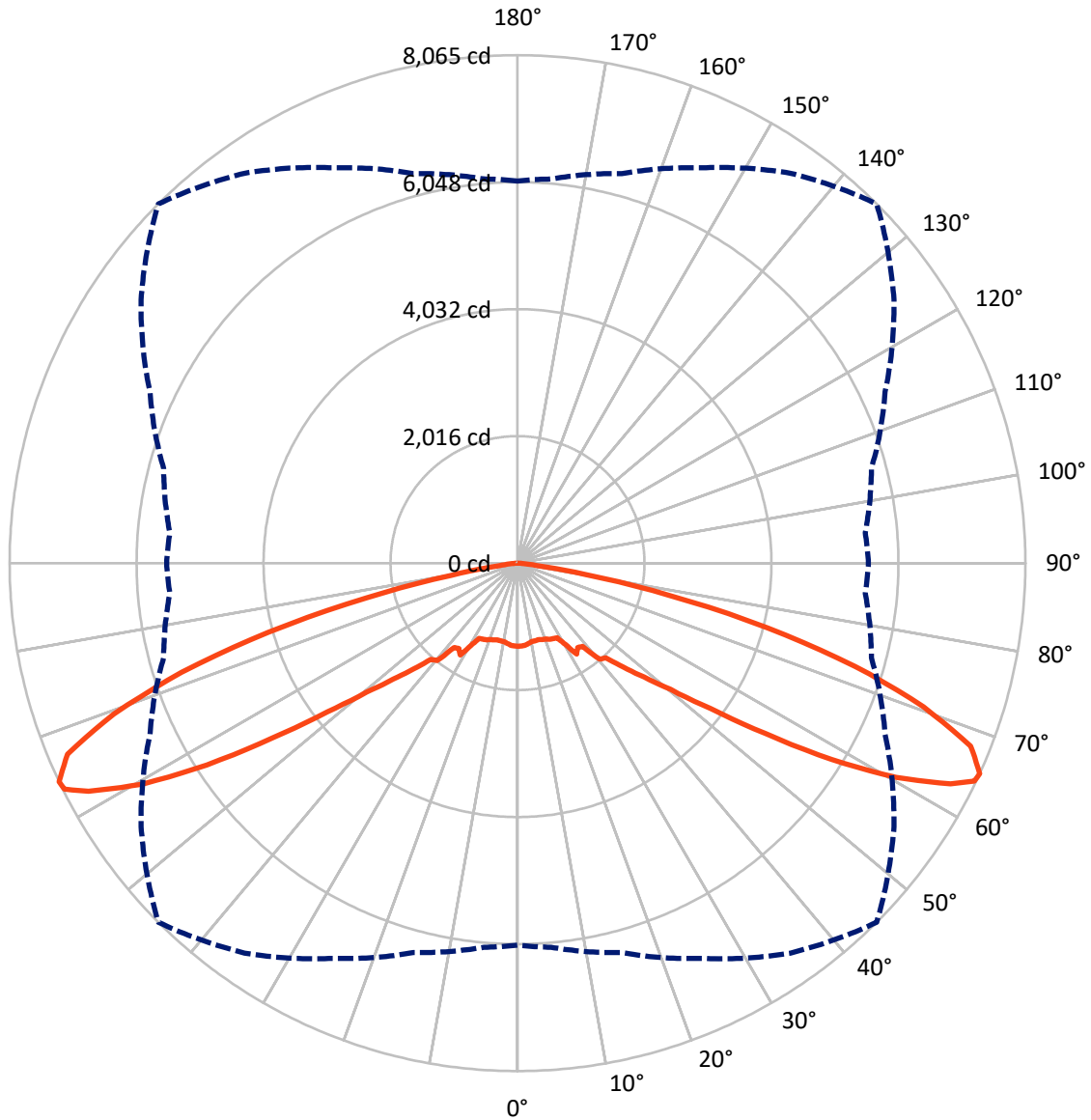
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	8636.0	0.0	8636.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8636.0	0.0	8636.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17272.0	0.0	17272.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.9	0.7
10°-20°	364.0	2.1
20°-30°	630.1	3.6
30°-40°	1047.7	6.1
40°-50°	1890.3	10.9
50°-60°	4210.9	24.4
60°-70°	6275.6	36.3
70°-80°	2600.7	15.1
80°-90°	128.8	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°	17272.0	100.0
0°-180°	17272.0	100.0

**Coefficient of Utilization**



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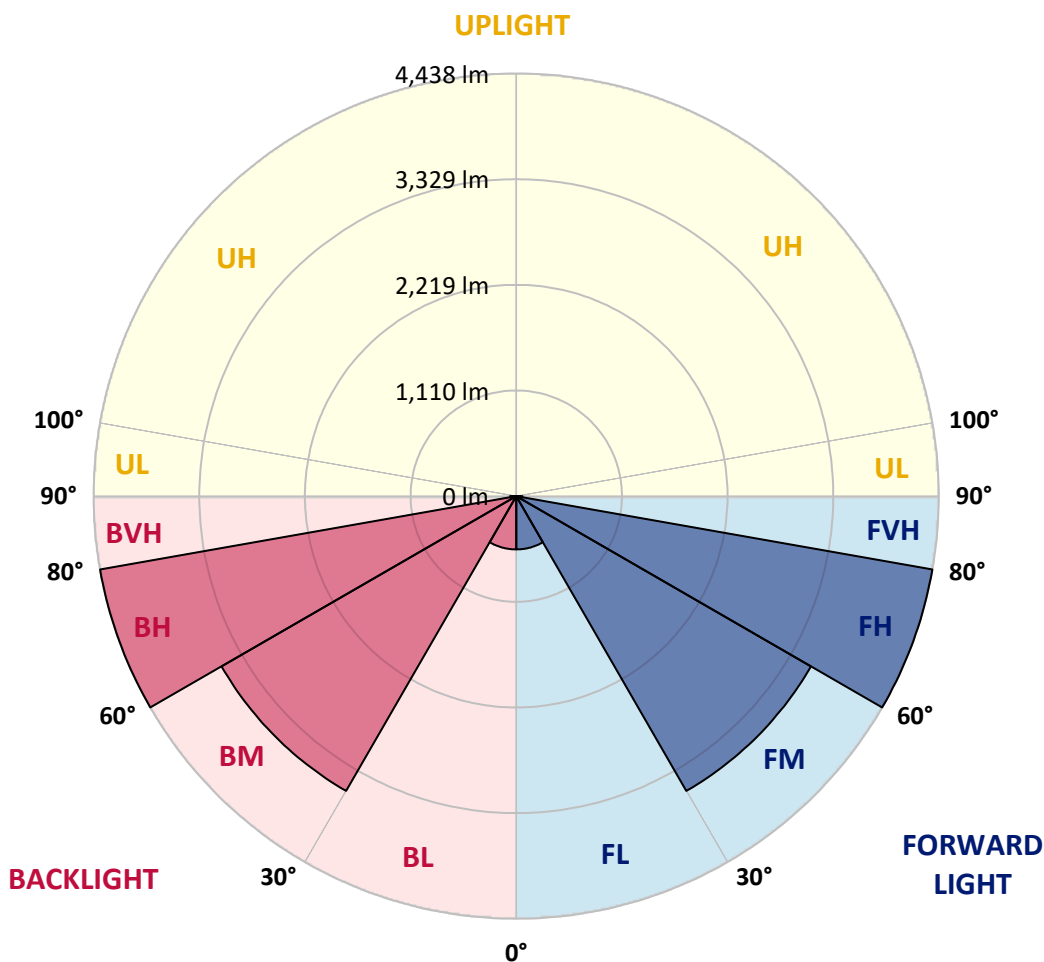
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.0	3.2			
FM (30°-60°)	3574.4	20.7			
FH (60°-80°)	4438.1	25.7			G2/5000
FVH (80°-90°)	64.4	0.4			G1/100
BL (0°-30°)	559.0	3.2	B2/1000		
BM (30°-60°)	3574.4	20.7	B3/5000		
BH (60°-80°)	4438.1	25.7	B4/5000		G2/5000
BVH (80°-90°)	64.4	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°	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6	1320.6
2.5°	1305.3	1309.1	1307.2	1307.2	1312.9	1316.7	1318.6	1337.7	1330.1	1335.8	1330.1
5°	1309.1	1309.1	1312.9	1309.1	1312.9	1309.1	1312.9	1307.2	1312.9	1316.7	1322.5
7.5°	1301.5	1297.7	1291.9	1291.9	1290.0	1286.2	1280.5	1295.7	1288.1	1293.8	1303.4
10°	1303.4	1297.7	1278.6	1282.4	1265.2	1265.2	1269.0	1269.0	1286.2	1305.3	1311.0
12.5°	1303.4	1291.9	1286.2	1261.4	1261.4	1263.3	1272.8	1276.7	1288.1	1295.7	1314.8
15°	1303.4	1297.7	1288.1	1255.7	1263.3	1259.5	1269.0	1269.0	1293.8	1307.2	1316.7
17.5°	1311.0	1314.8	1297.7	1267.1	1269.0	1276.7	1270.9	1276.7	1307.2	1316.7	1330.1
20°	1312.9	1297.7	1291.9	1272.8	1290.0	1286.2	1284.3	1295.7	1305.3	1322.5	1337.7
22.5°	1309.1	1314.8	1291.9	1290.0	1305.3	1312.9	1316.7	1303.4	1314.8	1326.3	1339.6
25°	1341.5	1320.6	1314.8	1311.0	1318.6	1326.3	1322.5	1333.9	1333.9	1347.3	1364.4
27.5°	1429.3	1431.2	1419.8	1374.0	1358.7	1341.5	1349.2	1379.7	1416.0	1444.6	1450.3
30°	1469.4	1477.0	1507.6	1499.9	1494.2	1499.9	1498.0	1505.7	1509.5	1511.4	1505.7
32.5°	1505.7	1501.8	1488.5	1522.8	1635.4	1721.3	1639.2	1526.6	1501.8	1494.2	1501.8
35°	1637.3	1637.3	1608.7	1564.8	1624.0	1645.0	1606.8	1553.4	1583.9	1646.9	1650.7
37.5°	1807.2	1782.4	1793.8	1788.1	1723.2	1677.4	1744.2	1778.5	1784.3	1782.4	1801.4
40°	1908.3	1891.1	1874.0	1904.5	1963.7	2005.6	1946.5	1864.4	1885.4	1927.4	1910.2
42.5°	2139.2	2095.3	2099.1	2068.6	2066.7	2053.3	2040.0	2045.7	2076.2	2124.0	2131.6
45°	2375.8	2396.8	2383.5	2326.2	2352.9	2352.9	2314.8	2343.4	2358.7	2414.0	2421.6
47.5°	2746.1	2736.5	2742.2	2690.7	2688.8	2702.2	2688.8	2690.7	2738.4	2734.6	2713.6
50°	3179.2	3206.0	3213.6	3188.8	3158.3	3152.5	3131.5	3158.3	3186.9	3188.8	3171.6
52.5°	3778.5	3807.1	3807.1	3814.7	3852.9	3833.8	3830.0	3831.9	3776.5	3738.4	3757.5
55°	4534.1	4543.7	4576.1	4642.9	4759.3	4774.6	4702.1	4669.6	4568.5	4507.4	4555.1
57.5°	5280.3	5318.5	5408.2	5581.8	5724.9	5881.4	5671.5	5457.8	5259.3	5162.0	5179.2
60°	5900.5	5955.8	6127.6	6369.9	6766.9	6910.0	6555.1	6188.7	5786.0	5488.3	5608.5
62.5°	6192.5	6278.3	6423.4	6913.8	7509.2	7715.3	7194.3	6528.3	5917.7	5631.4	5625.7
64°	6194.4	6207.7	6497.8	7026.4	7639.0	8037.8	7348.9	6528.3	5950.1	5597.1	5662.0
65°	6066.5	6121.9	6402.4	6923.4	7556.9	8064.5	7295.5	6438.6	5816.5	5541.7	5572.3
67.5°	5486.4	5484.5	5744.0	6261.2	7140.9	7761.1	6841.3	5936.8	5486.4	5188.7	5225.0
70°	4162.0	4228.8	4476.9	5112.4	6179.1	6843.2	5982.6	5045.6	4484.5	4246.0	4232.6
72.5°	2490.3	2578.1	2894.9	3669.7	4799.4	5606.6	4747.9	3732.7	3057.1	2679.3	2688.8
75°	1135.4	1200.3	1417.9	2049.5	3198.3	4099.1	3217.4	2158.3	1547.6	1307.2	1272.8
77.5°	318.7	358.8	479.0	940.8	1755.6	2457.9	1805.3	1040.0	675.5	561.0	549.6
80°	143.1	150.8	169.8	229.0	557.2	1083.9	746.2	381.7	253.8	209.9	200.4
82.5°	78.2	84.0	110.7	118.3	158.4	288.2	246.2	179.4	152.7	122.1	118.3
85°	43.9	45.8	63.0	63.0	76.3	84.0	89.7	95.4	93.5	68.7	66.8
87.5°	13.4	15.3	19.1	19.1	19.1	19.1	30.5	42.0	45.8	32.4	32.4
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)