

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: P479715

Luminaire Tested: **IFLD-S-SA2E-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479715
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

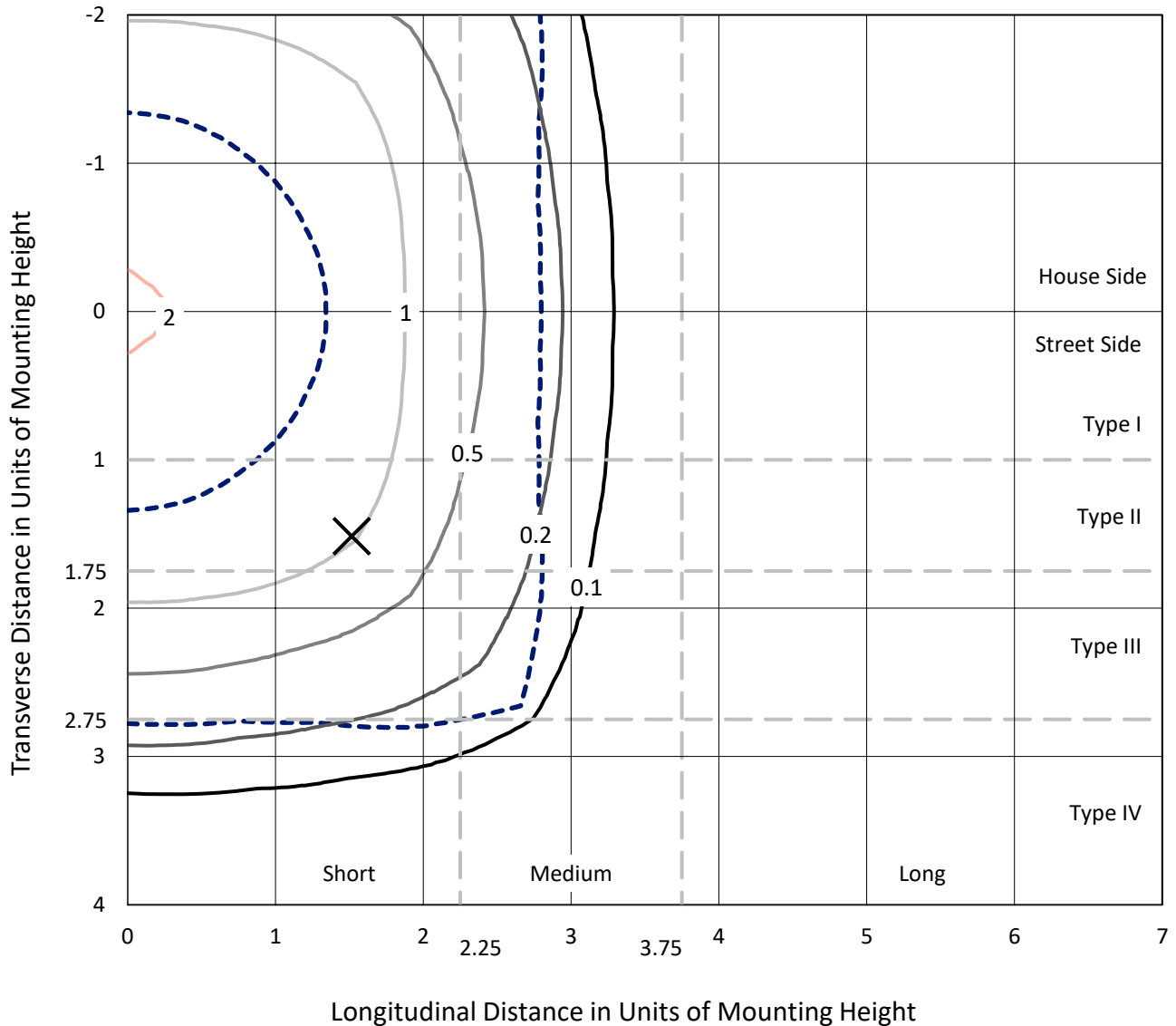
Lumens per Lamp: N/A
Luminaire Lumens: 18573.4 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.2
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

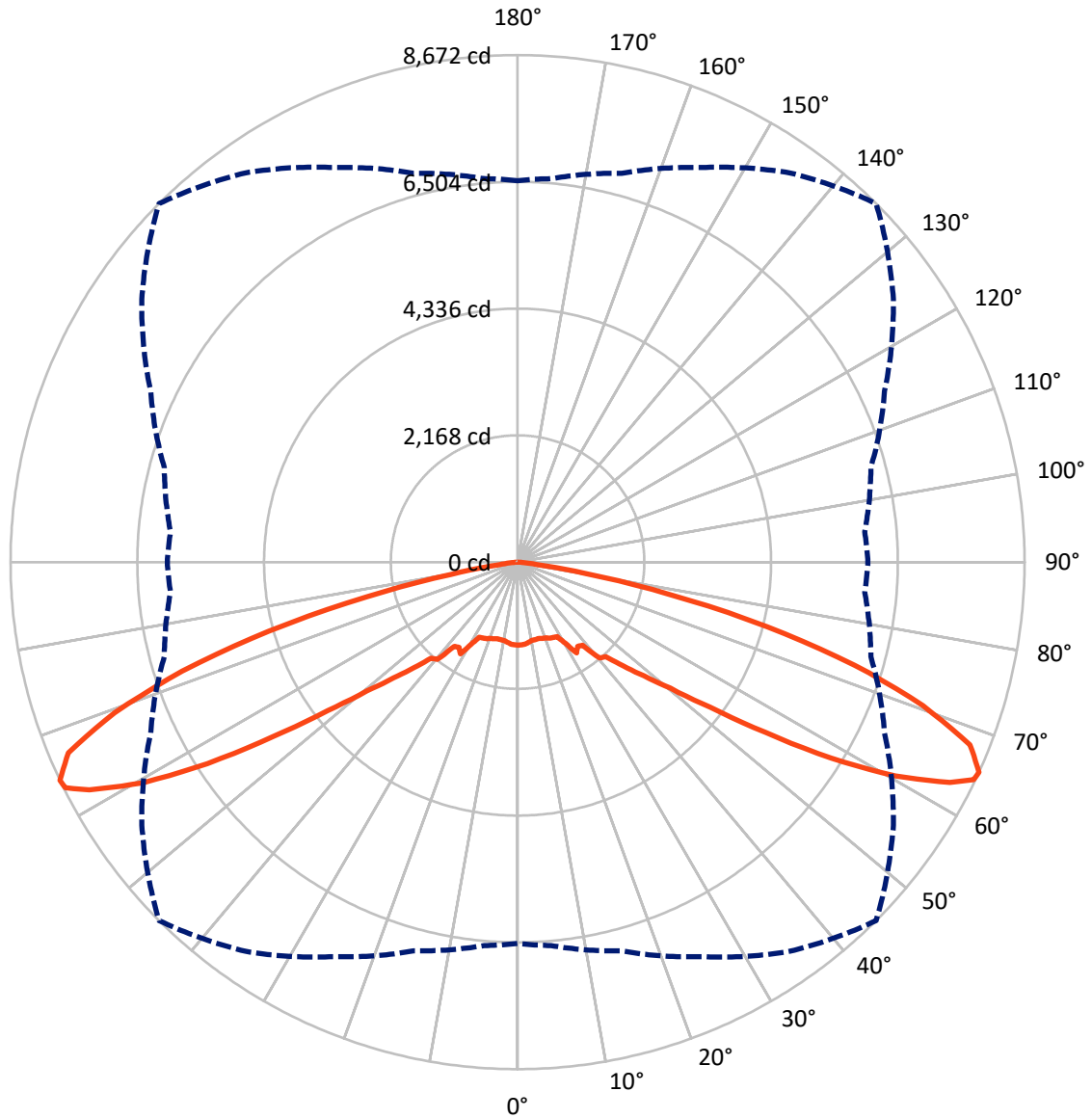
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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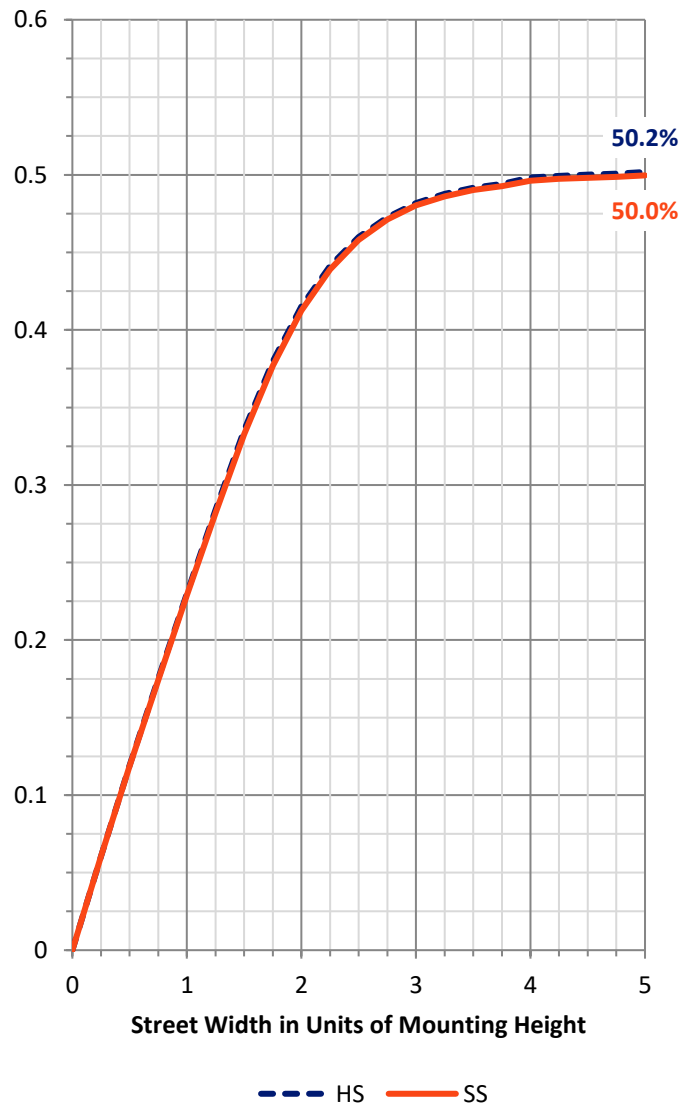
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9286.7	0.0	9286.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9286.7	0.0	9286.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18573.4	0.0	18573.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	0.7
10°-20°	391.5	2.1
20°-30°	677.6	3.6
30°-40°	1126.7	6.1
40°-50°	2032.7	10.9
50°-60°	4528.2	24.4
60°-70°	6748.4	36.3
70°-80°	2796.6	15.1
80°-90°	138.5	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°	18573.4	100.0
0°-180°	18573.4	100.0

Coefficient of Utilization



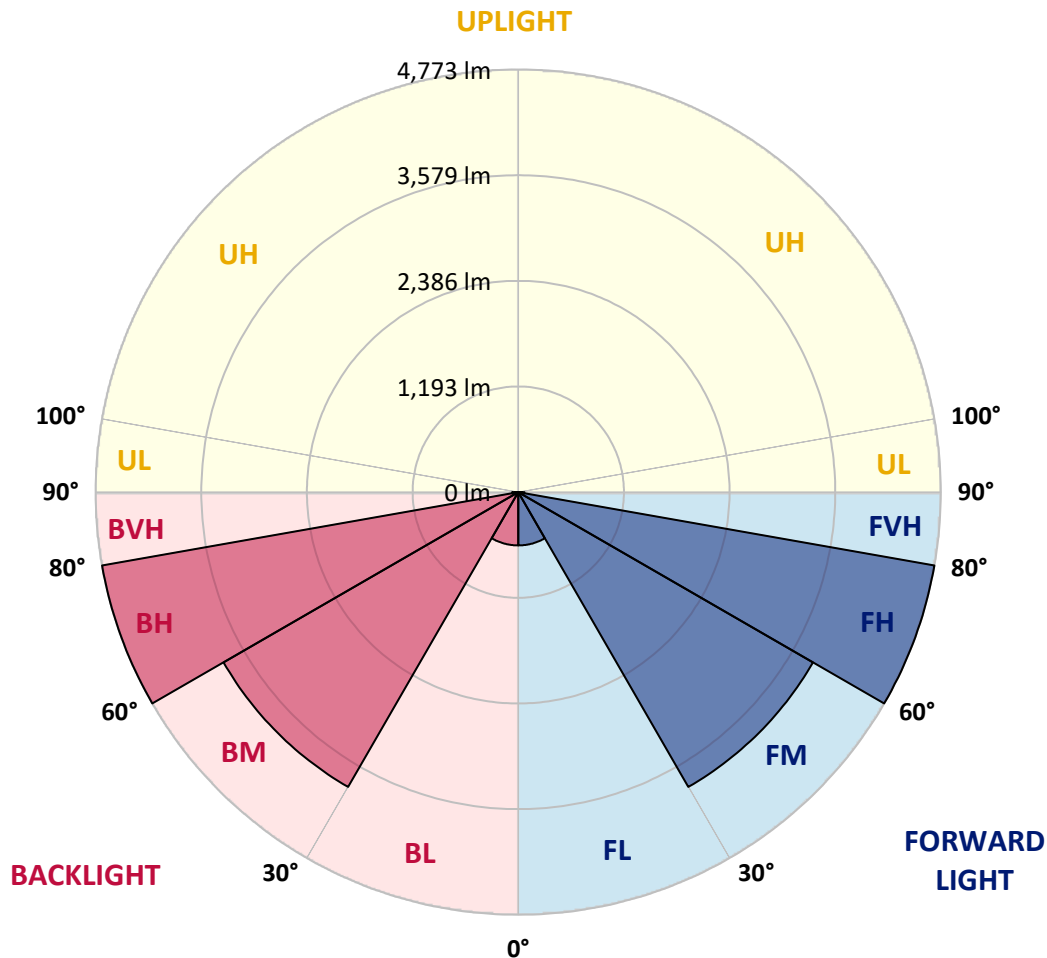
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.1	3.2			
FM (30°-60°)	3843.8	20.7			
FH (60°-80°)	4772.5	25.7			G2/5000
FVH (80°-90°)	69.3	0.4			G1/100
BL (0°-30°)	601.1	3.2	B2/1000		
BM (30°-60°)	3843.8	20.7	B3/5000		
BH (60°-80°)	4772.5	25.7	B4/5000		G2/5000
BVH (80°-90°)	69.3	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°	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1
2.5°	1403.6	1407.7	1405.7	1405.7	1411.8	1415.9	1418.0	1438.5	1430.3	1436.5	1430.3
5°	1407.7	1407.7	1411.8	1407.7	1411.8	1407.7	1411.8	1405.7	1411.8	1415.9	1422.1
7.5°	1399.5	1395.4	1389.3	1389.3	1387.2	1383.1	1377.0	1393.4	1385.2	1391.3	1401.6
10°	1401.6	1395.4	1374.9	1379.0	1360.5	1360.5	1364.6	1364.6	1383.1	1403.6	1409.8
12.5°	1401.6	1389.3	1383.1	1356.4	1356.4	1358.5	1368.7	1372.9	1385.2	1393.4	1413.9
15°	1401.6	1395.4	1385.2	1350.3	1358.5	1354.4	1364.6	1364.6	1391.3	1405.7	1415.9
17.5°	1409.8	1413.9	1395.4	1362.6	1364.6	1372.9	1366.7	1372.9	1405.7	1415.9	1430.3
20°	1411.8	1395.4	1389.3	1368.7	1387.2	1383.1	1381.1	1393.4	1403.6	1422.1	1438.5
22.5°	1407.7	1413.9	1389.3	1387.2	1403.6	1411.8	1415.9	1401.6	1413.9	1426.2	1440.6
25°	1442.6	1420.1	1413.9	1409.8	1418.0	1426.2	1422.1	1434.4	1434.4	1448.8	1467.2
27.5°	1537.0	1539.1	1526.8	1477.5	1461.1	1442.6	1450.8	1483.7	1522.7	1553.4	1559.6
30°	1580.1	1588.3	1621.2	1612.9	1606.8	1612.9	1610.9	1619.1	1623.2	1625.3	1619.1
32.5°	1619.1	1615.0	1600.6	1637.6	1758.6	1851.0	1762.8	1641.7	1615.0	1606.8	1615.0
35°	1760.7	1760.7	1729.9	1682.7	1746.3	1768.9	1727.9	1670.4	1703.2	1771.0	1775.1
37.5°	1943.3	1916.7	1929.0	1922.8	1853.0	1803.8	1875.6	1912.6	1918.7	1916.7	1937.2
40°	2052.1	2033.6	2015.2	2048.0	2111.6	2156.8	2093.1	2004.9	2027.5	2072.6	2054.1
42.5°	2300.4	2253.2	2257.3	2224.5	2222.4	2208.1	2193.7	2199.8	2232.7	2284.0	2292.2
45°	2554.9	2577.4	2563.1	2501.5	2530.2	2530.2	2489.2	2520.0	2536.4	2595.9	2604.1
47.5°	2953.0	2942.7	2948.9	2893.5	2891.4	2905.8	2891.4	2893.5	2944.8	2940.7	2918.1
50°	3418.8	3447.5	3455.7	3429.1	3396.2	3390.1	3367.5	3396.2	3427.0	3429.1	3410.6
52.5°	4063.2	4093.9	4093.9	4102.1	4143.2	4122.7	4118.6	4120.6	4061.1	4020.1	4040.6
55°	4875.8	4886.0	4920.9	4992.7	5117.9	5134.3	5056.4	5021.5	4912.7	4847.1	4898.4
57.5°	5678.1	5719.2	5815.6	6002.4	6156.3	6324.6	6098.8	5869.0	5655.6	5550.9	5569.4
60°	6345.1	6404.6	6589.3	6849.9	7276.7	7430.6	7048.9	6654.9	6222.0	5901.8	6031.1
62.5°	6659.1	6751.4	6907.4	7434.7	8075.0	8296.6	7736.4	7020.2	6363.5	6055.7	6049.6
64°	6661.1	6675.5	6987.4	7555.8	8214.5	8643.4	7902.6	7020.2	6398.4	6018.8	6088.6
65°	6523.6	6583.1	6884.8	7445.0	8126.3	8672.2	7845.2	6923.8	6254.8	5959.3	5992.1
67.5°	5899.8	5897.7	6176.8	6732.9	7678.9	8345.9	7356.8	6384.1	5899.8	5579.6	5618.6
70°	4475.6	4547.4	4814.2	5497.6	6644.7	7358.8	6433.3	5425.7	4822.4	4565.9	4551.5
72.5°	2678.0	2772.4	3113.0	3946.2	5161.0	6029.1	5105.6	4013.9	3287.5	2881.1	2891.4
75°	1221.0	1290.8	1524.7	2204.0	3439.3	4407.9	3459.8	2320.9	1664.2	1405.7	1368.7
77.5°	342.7	385.8	515.1	1011.7	1887.9	2643.1	1941.3	1118.4	726.4	603.3	591.0
80°	153.9	162.1	182.6	246.3	599.2	1165.6	802.4	410.4	272.9	225.7	215.5
82.5°	84.1	90.3	119.0	127.2	170.3	309.9	264.7	192.9	164.2	131.3	127.2
85°	47.2	49.3	67.7	67.7	82.1	90.3	96.4	102.6	100.6	73.9	71.8
87.5°	14.4	16.4	20.5	20.5	20.5	20.5	32.8	45.1	49.3	34.9	34.9
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)