

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: P479795

Luminaire Tested: **IFLD-S-SA3B-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479795
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

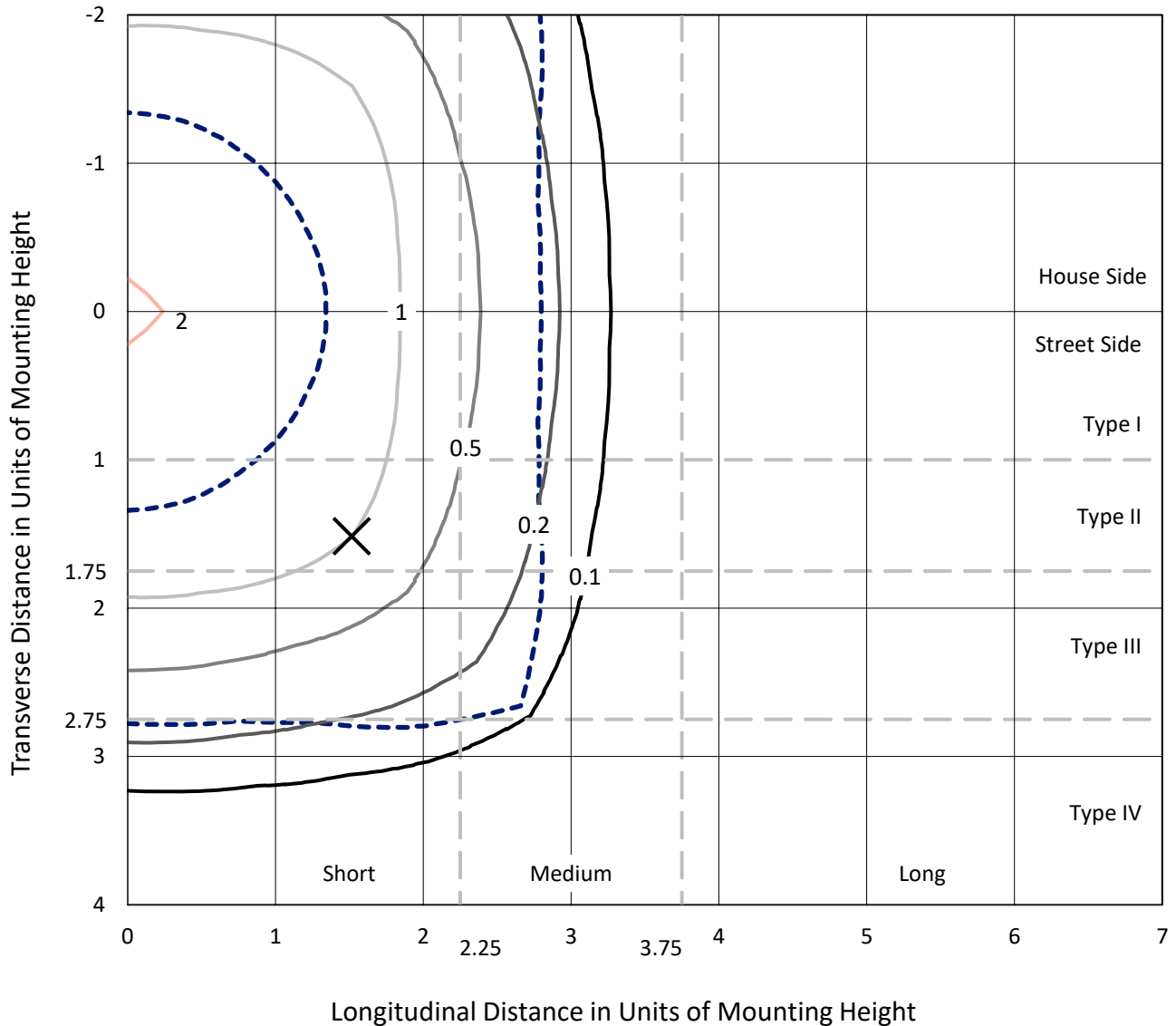
Lumens per Lamp: N/A
Luminaire Lumens: 17861.4 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

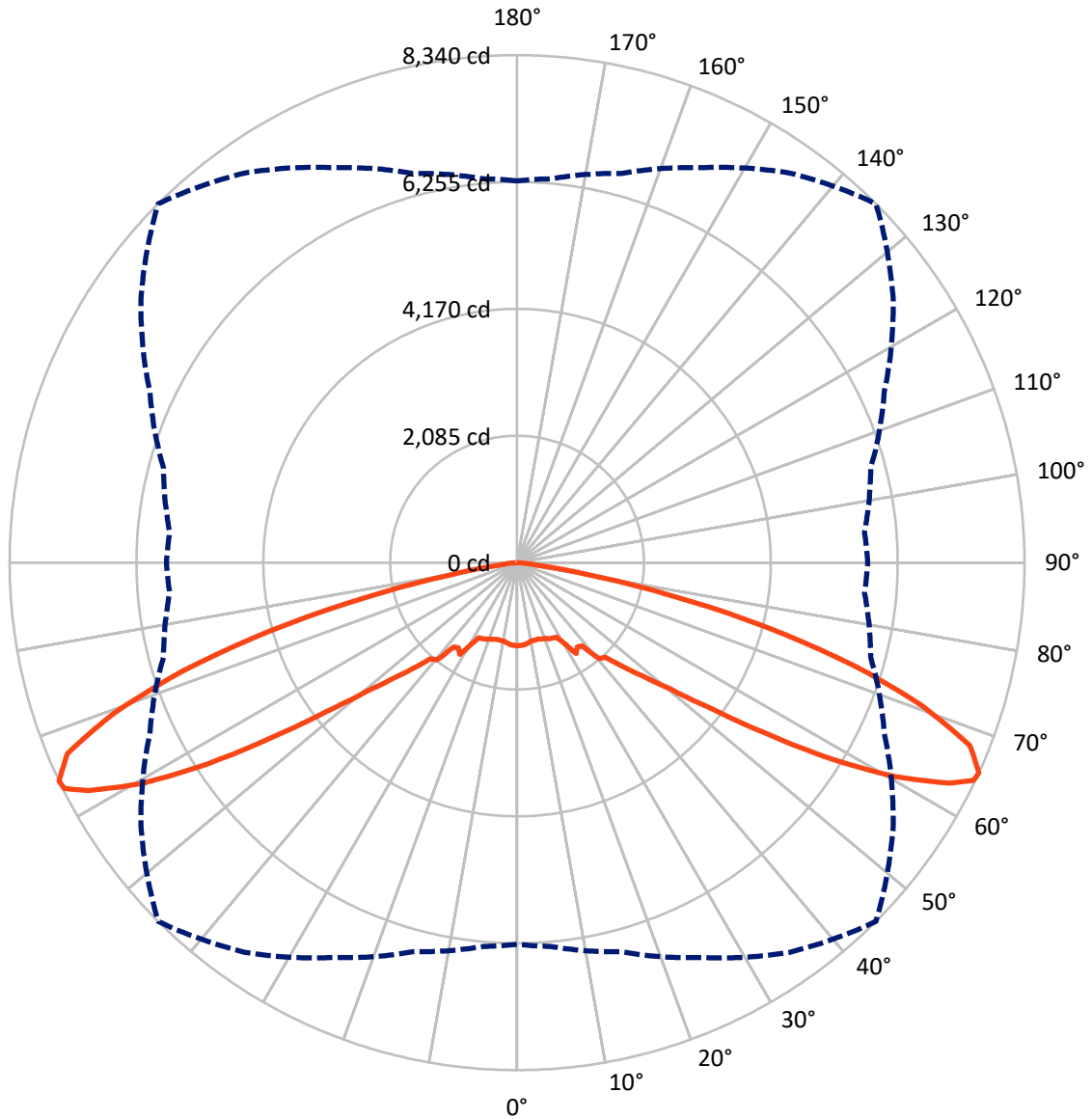
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	8930.7	0.0	8930.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8930.7	0.0	8930.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	17861.4	0.0	17861.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	0.7
10°-20°	376.4	2.1
20°-30°	651.6	3.6
30°-40°	1083.5	6.1
40°-50°	1954.8	10.9
50°-60°	4354.6	24.4
60°-70°	6489.7	36.3
70°-80°	2689.4	15.1
80°-90°	133.2	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°	17861.4	100.0
0°-180°	17861.4	100.0

Coefficient of Utilization



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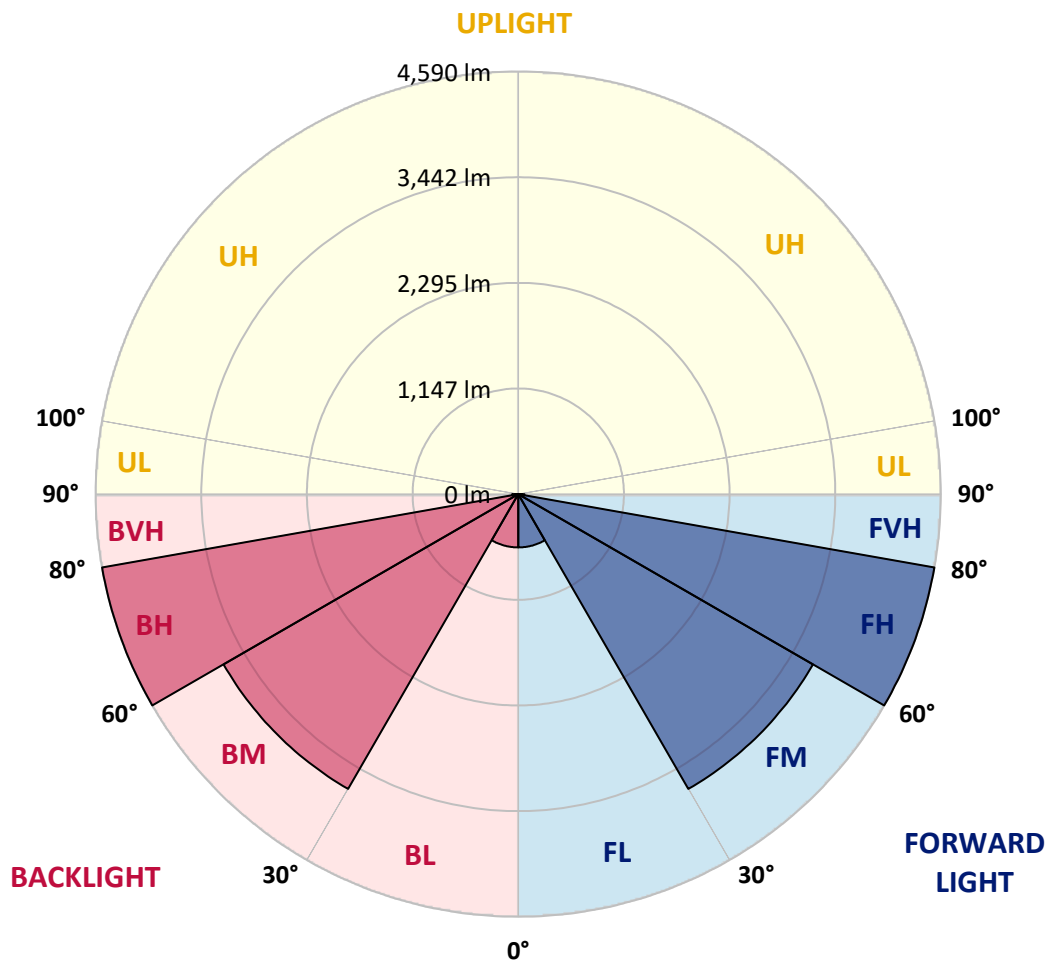
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.1	3.2			
FM (30°-60°)	3696.4	20.7			
FH (60°-80°)	4589.6	25.7			G2/5000
FVH (80°-90°)	66.6	0.4			G1/100
BL (0°-30°)	578.1	3.2	B2/1000		
BM (30°-60°)	3696.4	20.7	B3/5000		
BH (60°-80°)	4589.6	25.7	B4/5000		G2/5000
BVH (80°-90°)	66.6	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°	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6
2.5°	1349.8	1353.8	1351.8	1351.8	1357.7	1361.7	1363.6	1383.4	1375.5	1381.4	1375.5
5°	1353.8	1353.8	1357.7	1353.8	1357.7	1353.8	1357.7	1351.8	1357.7	1361.7	1367.6
7.5°	1345.9	1341.9	1336.0	1336.0	1334.0	1330.1	1324.2	1340.0	1332.1	1338.0	1347.9
10°	1347.9	1341.9	1322.2	1326.1	1308.4	1308.4	1312.3	1312.3	1330.1	1349.8	1355.7
12.5°	1347.9	1336.0	1330.1	1304.4	1304.4	1306.4	1316.3	1320.2	1332.1	1340.0	1359.7
15°	1347.9	1341.9	1332.1	1298.5	1306.4	1302.5	1312.3	1312.3	1338.0	1351.8	1361.7
17.5°	1355.7	1359.7	1341.9	1310.4	1312.3	1320.2	1314.3	1320.2	1351.8	1361.7	1375.5
20°	1357.7	1341.9	1336.0	1316.3	1334.0	1330.1	1328.1	1340.0	1349.8	1367.6	1383.4
22.5°	1353.8	1359.7	1336.0	1334.0	1349.8	1357.7	1361.7	1347.9	1359.7	1371.5	1385.3
25°	1387.3	1365.6	1359.7	1355.7	1363.6	1371.5	1367.6	1379.4	1379.4	1393.2	1411.0
27.5°	1478.1	1480.1	1468.2	1420.9	1405.1	1387.3	1395.2	1426.8	1464.3	1493.9	1499.8
30°	1519.5	1527.4	1559.0	1551.1	1545.2	1551.1	1549.1	1557.0	1561.0	1563.0	1557.0
32.5°	1557.0	1553.1	1539.3	1574.8	1691.2	1780.0	1695.2	1578.7	1553.1	1545.2	1553.1
35°	1693.2	1693.2	1663.6	1618.2	1679.4	1701.1	1661.6	1606.4	1637.9	1703.1	1707.0
37.5°	1868.8	1843.2	1855.0	1849.1	1782.0	1734.6	1803.7	1839.2	1845.2	1843.2	1862.9
40°	1973.4	1955.7	1937.9	1969.5	2030.7	2074.1	2012.9	1928.0	1949.7	1993.2	1975.4
42.5°	2212.2	2166.8	2170.8	2139.2	2137.2	2123.4	2109.6	2115.5	2147.1	2196.4	2204.3
45°	2456.9	2478.6	2464.8	2405.6	2433.2	2433.2	2393.8	2423.4	2439.2	2496.4	2504.3
47.5°	2839.8	2829.9	2835.8	2782.5	2780.6	2794.4	2780.6	2782.5	2831.9	2827.9	2806.2
50°	3287.7	3315.4	3323.3	3297.6	3266.0	3260.1	3238.4	3266.0	3295.6	3297.6	3279.8
52.5°	3907.4	3937.0	3937.0	3944.9	3984.4	3964.6	3960.7	3962.6	3905.4	3865.9	3885.7
55°	4688.9	4698.7	4732.3	4801.4	4921.7	4937.5	4862.5	4829.0	4724.4	4661.2	4710.6
57.5°	5460.5	5499.9	5592.7	5772.3	5920.3	6082.1	5865.0	5644.0	5438.8	5338.1	5355.9
60°	6101.8	6159.1	6336.7	6587.3	6997.8	7145.8	6778.7	6399.8	5983.4	5675.6	5799.9
62.5°	6403.8	6492.6	6642.6	7149.7	7765.4	7978.6	7439.8	6751.1	6119.6	5823.6	5817.7
64°	6405.8	6419.6	6719.5	7266.2	7899.6	8312.1	7599.7	6751.1	6153.2	5788.1	5855.2
65°	6273.5	6330.8	6620.9	7159.6	7814.8	8339.7	7544.4	6658.3	6015.0	5730.8	5762.4
67.5°	5673.6	5671.6	5940.0	6474.8	7384.6	8025.9	7074.7	6139.3	5673.6	5365.8	5403.2
70°	4304.0	4373.1	4629.7	5286.8	6390.0	7076.7	6186.7	5217.7	4637.6	4390.9	4377.1
72.5°	2575.3	2666.1	2993.7	3794.9	4963.2	5797.9	4909.9	3860.0	3161.4	2770.7	2780.6
75°	1174.2	1241.3	1466.3	2119.5	3307.5	4238.9	3327.2	2231.9	1600.5	1351.8	1316.3
77.5°	329.6	371.0	495.3	972.9	1815.6	2541.8	1866.9	1075.5	698.6	580.2	568.3
80°	148.0	155.9	175.6	236.8	576.2	1120.9	771.6	394.7	262.5	217.1	207.2
82.5°	80.9	86.8	114.5	122.4	163.8	298.0	254.6	185.5	157.9	126.3	122.4
85°	45.4	47.4	65.1	65.1	78.9	86.8	92.8	98.7	96.7	71.0	69.1
87.5°	13.8	15.8	19.7	19.7	19.7	19.7	31.6	43.4	47.4	33.5	33.5
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)