

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: P479614

Luminaire Tested: **IFLD-S-SA6A-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479614
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

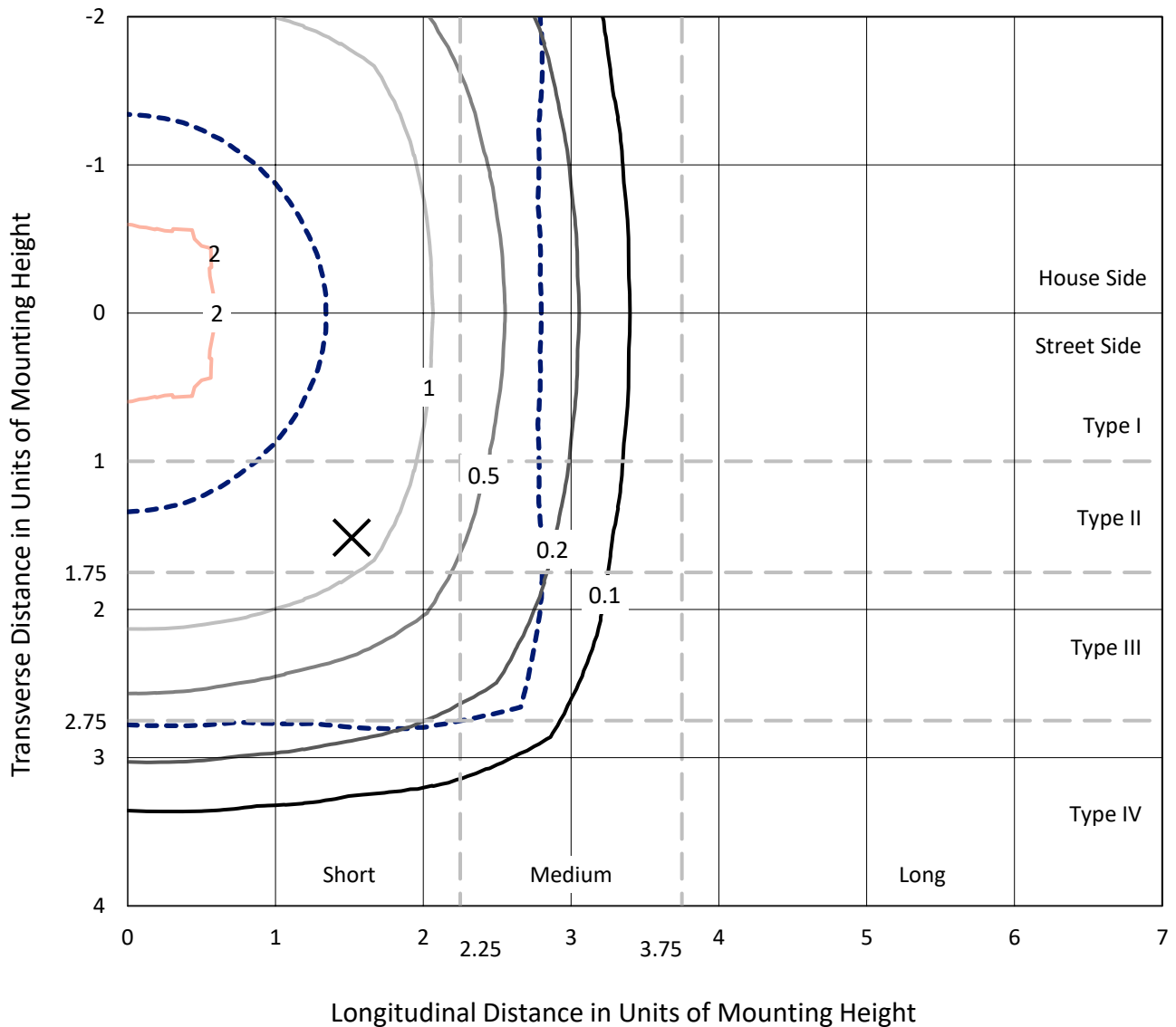
Lumens per Lamp: N/A
Luminaire Lumens: 23162.9 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6
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

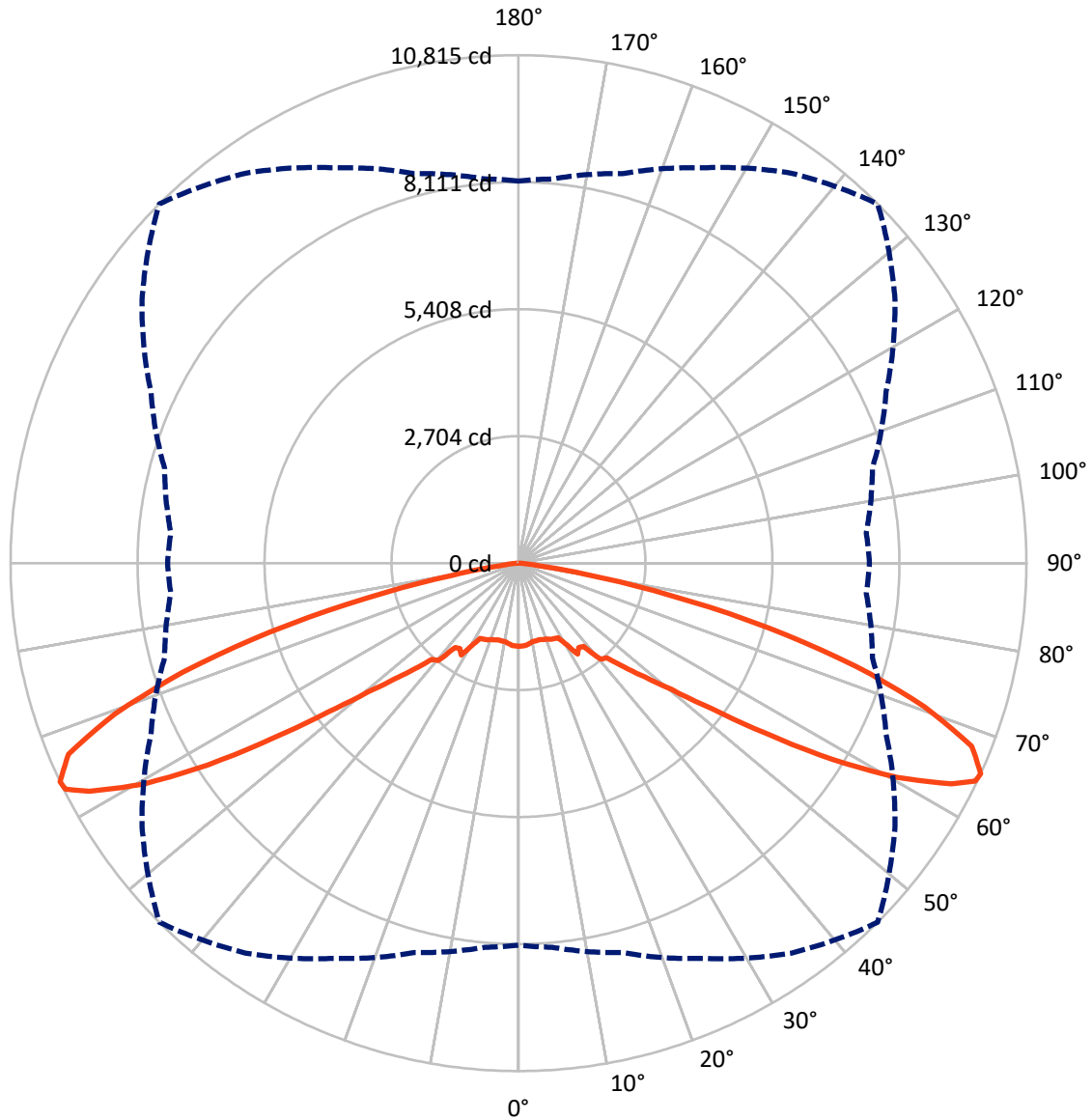
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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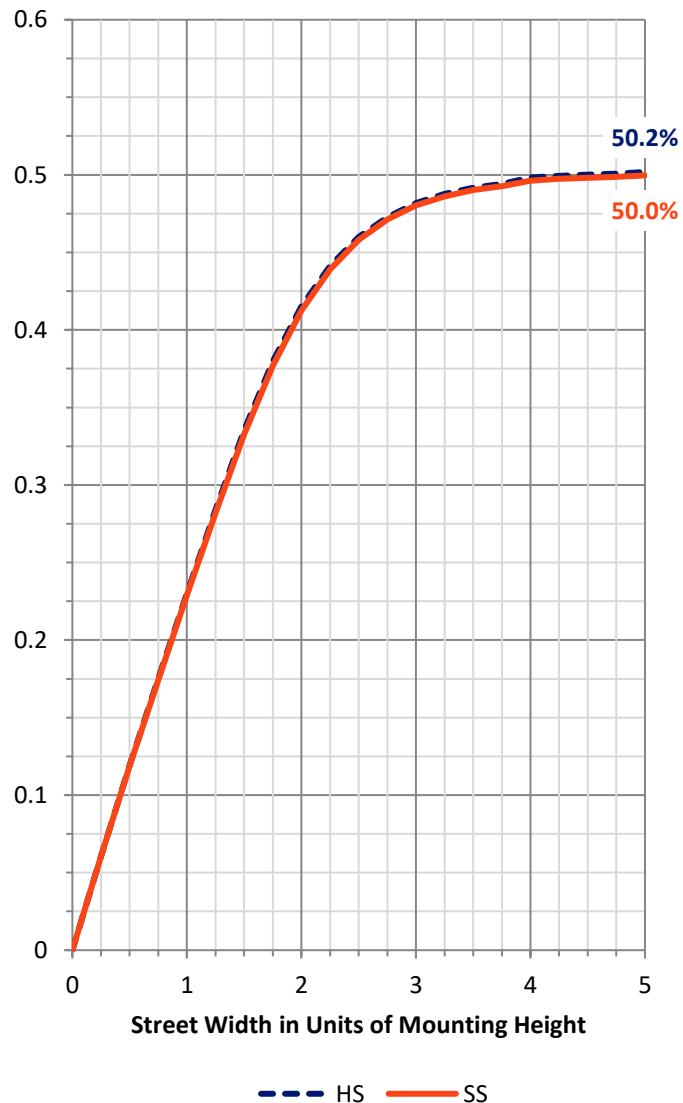
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11581.4	0.0	11581.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11581.4	0.0	11581.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23162.9	0.0	23162.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	0.7
10°-20°	488.2	2.1
20°-30°	845.0	3.6
30°-40°	1405.1	6.1
40°-50°	2535.0	10.9
50°-60°	5647.1	24.4
60°-70°	8416.0	36.3
70°-80°	3487.7	15.1
80°-90°	172.7	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°	23162.9	100.0
0°-180°	23162.9	100.0

Coefficient of Utilization



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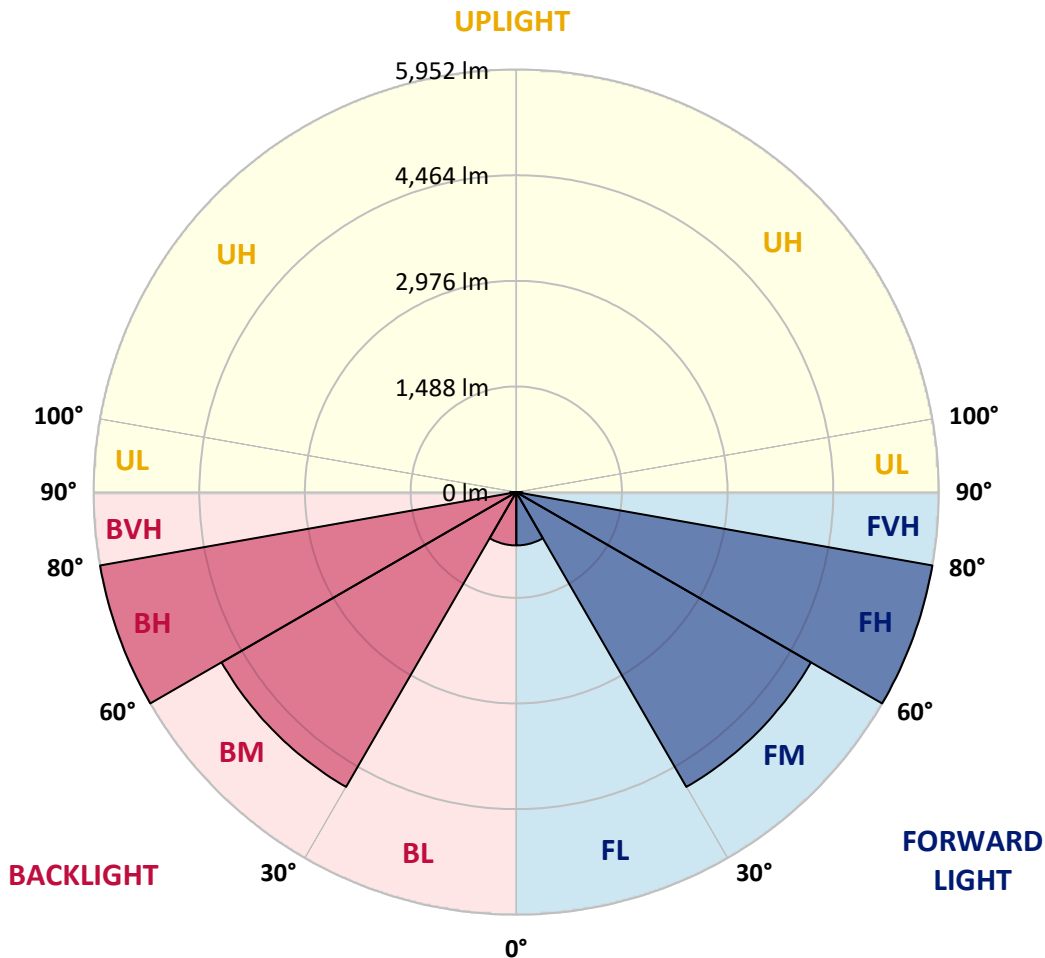
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.7	3.2			
FM (30°-60°)	4793.6	20.7			
FH (60°-80°)	5951.8	25.7			G3/7500
FVH (80°-90°)	86.4	0.4			G1/100
BL (0°-30°)	749.7	3.2	B2/1000		
BM (30°-60°)	4793.6	20.7	B3/5000		
BH (60°-80°)	5951.8	25.7	B5		G3/7500
BVH (80°-90°)	86.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9	1770.9
2.5°	1750.5	1755.6	1753.0	1753.0	1760.7	1765.8	1768.4	1794.0	1783.7	1791.4	1783.7
5°	1755.6	1755.6	1760.7	1755.6	1760.7	1755.6	1760.7	1753.0	1760.7	1765.8	1773.5
7.5°	1745.4	1740.2	1732.6	1732.6	1730.0	1724.9	1717.2	1737.7	1727.4	1735.1	1747.9
10°	1747.9	1740.2	1714.6	1719.8	1696.7	1696.7	1701.8	1701.8	1724.9	1750.5	1758.1
12.5°	1747.9	1732.6	1724.9	1691.6	1691.6	1694.2	1707.0	1712.1	1727.4	1737.7	1763.3
15°	1747.9	1740.2	1727.4	1683.9	1694.2	1689.0	1701.8	1701.8	1735.1	1753.0	1765.8
17.5°	1758.1	1763.3	1740.2	1699.3	1701.8	1712.1	1704.4	1712.1	1753.0	1765.8	1783.7
20°	1760.7	1740.2	1732.6	1707.0	1730.0	1724.9	1722.3	1737.7	1750.5	1773.5	1794.0
22.5°	1755.6	1763.3	1732.6	1730.0	1750.5	1760.7	1765.8	1747.9	1763.3	1778.6	1796.5
25°	1799.1	1770.9	1763.3	1758.1	1768.4	1778.6	1773.5	1788.9	1788.9	1806.8	1829.8
27.5°	1916.8	1919.4	1904.0	1842.6	1822.1	1799.1	1809.3	1850.3	1898.9	1937.3	1945.0
30°	1970.6	1980.8	2021.7	2011.5	2003.8	2011.5	2008.9	2019.2	2024.3	2026.9	2019.2
32.5°	2019.2	2014.1	1996.1	2042.2	2193.2	2308.4	2198.3	2047.3	2014.1	2003.8	2014.1
35°	2195.8	2195.8	2157.4	2098.5	2177.8	2206.0	2154.8	2083.2	2124.1	2208.6	2213.7
37.5°	2423.5	2390.3	2405.6	2397.9	2310.9	2249.5	2339.1	2385.1	2392.8	2390.3	2415.9
40°	2559.2	2536.1	2513.1	2554.0	2633.4	2689.7	2610.3	2500.3	2528.5	2584.8	2561.7
42.5°	2868.8	2810.0	2815.1	2774.1	2771.6	2753.7	2735.7	2743.4	2784.4	2848.4	2858.6
45°	3186.2	3214.3	3196.4	3119.6	3155.5	3155.5	3104.3	3142.7	3163.1	3237.3	3247.6
47.5°	3682.6	3669.8	3677.5	3608.4	3605.9	3623.8	3605.9	3608.4	3672.4	3667.3	3639.1
50°	4263.6	4299.4	4309.6	4276.4	4235.4	4227.7	4199.6	4235.4	4273.8	4276.4	4253.3
52.5°	5067.1	5105.5	5105.5	5115.8	5167.0	5141.4	5136.2	5138.8	5064.6	5013.4	5039.0
55°	6080.6	6093.4	6136.9	6226.4	6382.6	6403.0	6305.8	6262.3	6126.6	6044.7	6108.7
57.5°	7081.2	7132.4	7252.7	7485.6	7677.5	7887.3	7605.8	7319.2	7053.1	6922.5	6945.6
60°	7912.9	7987.2	8217.5	8542.5	9074.8	9266.7	8790.7	8299.4	7759.4	7360.2	7521.4
62.5°	8304.5	8419.7	8614.2	9271.9	10070.3	10346.7	9648.1	8754.9	7936.0	7552.1	7544.4
64°	8307.1	8325.0	8714.0	9422.8	10244.3	10779.2	9855.3	8754.9	7979.5	7506.0	7593.0
65°	8135.6	8209.8	8586.0	9284.7	10134.3	10815.0	9783.7	8634.6	7800.3	7431.8	7472.8
67.5°	7357.6	7355.0	7703.1	8396.6	9576.4	10408.1	9174.6	7961.6	7357.6	6958.4	7007.0
70°	5581.5	5671.1	6003.8	6856.0	8286.6	9177.2	8023.0	6766.4	6014.0	5694.1	5676.2
72.5°	3339.7	3457.4	3882.3	4921.3	6436.3	7518.8	6367.2	5005.7	4099.8	3593.1	3605.9
75°	1522.7	1609.7	1901.5	2748.5	4289.2	5497.1	4314.8	2894.4	2075.5	1753.0	1707.0
77.5°	427.4	481.1	642.4	1261.7	2354.4	3296.2	2421.0	1394.7	905.9	752.4	737.0
80°	191.9	202.2	227.8	307.1	747.3	1453.6	1000.6	511.8	340.4	281.5	268.7
82.5°	104.9	112.6	148.4	158.7	212.4	386.4	330.1	240.6	204.7	163.8	158.7
85°	58.9	61.4	84.5	84.5	102.4	112.6	120.3	128.0	125.4	92.1	89.6
87.5°	17.9	20.5	25.6	25.6	25.6	25.6	40.9	56.3	61.4	43.5	43.5
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)