

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: P479697

Luminaire Tested: **IFLD-M-SA4A-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479697
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

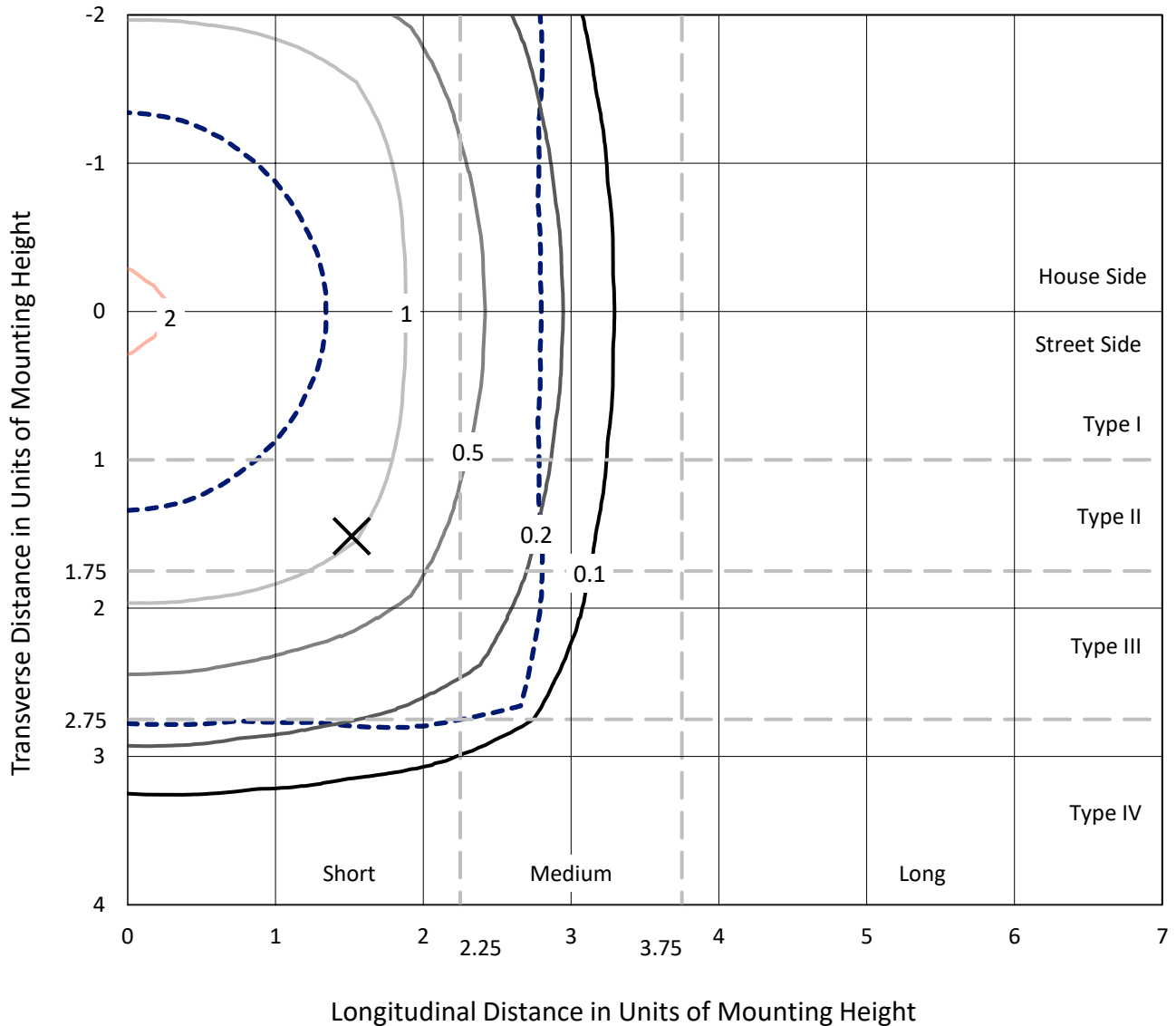
Lumens per Lamp: N/A
Luminaire Lumens: 18691.4 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 128.6
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

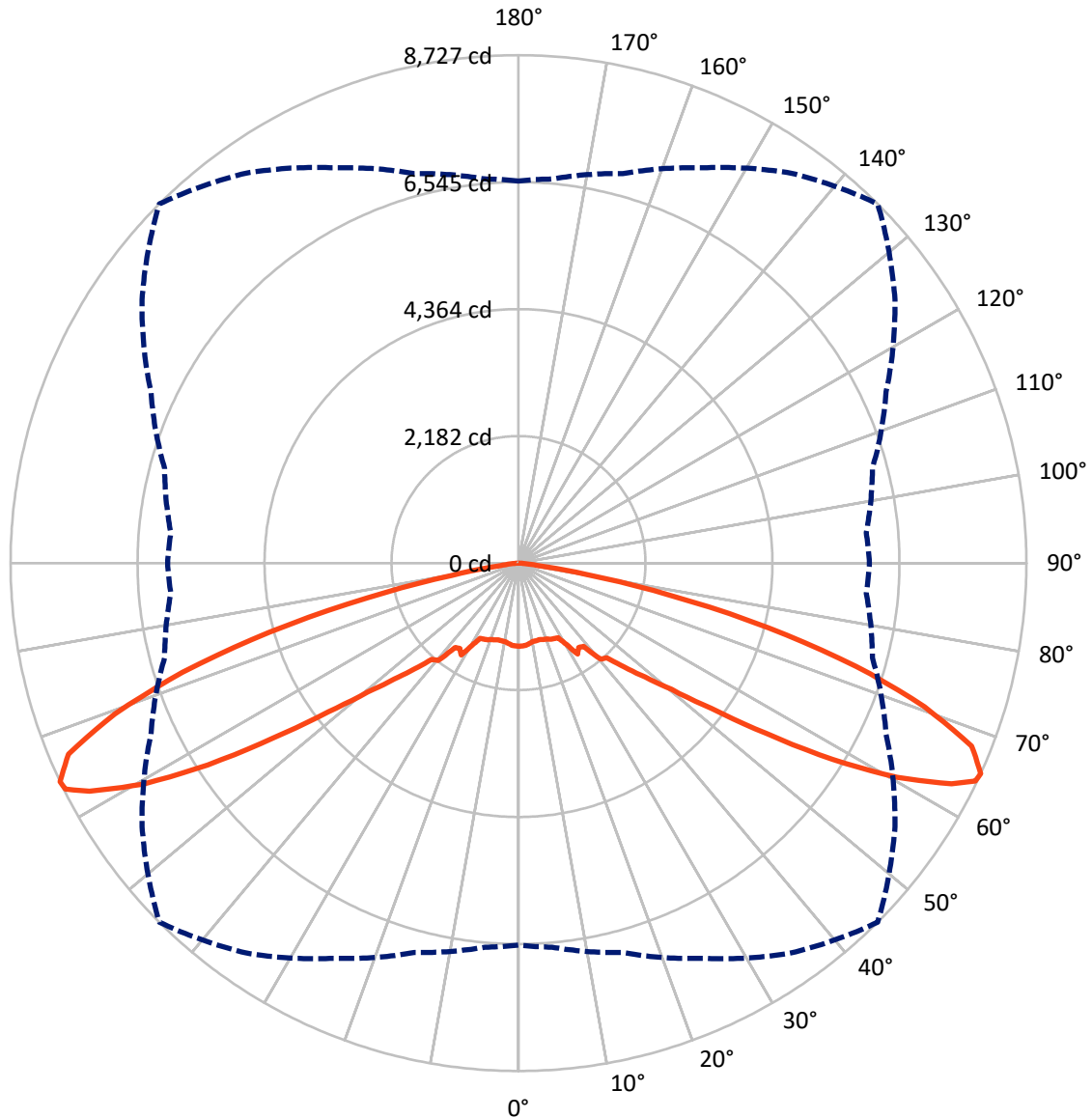
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	9345.7	0.0	9345.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9345.7	0.0	9345.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18691.4	0.0	18691.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	0.7
10°-20°	393.9	2.1
20°-30°	681.9	3.6
30°-40°	1133.8	6.1
40°-50°	2045.6	10.9
50°-60°	4556.9	24.4
60°-70°	6791.3	36.3
70°-80°	2814.4	15.1
80°-90°	139.4	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°	18691.4	100.0
0°-180°	18691.4	100.0

Coefficient of Utilization



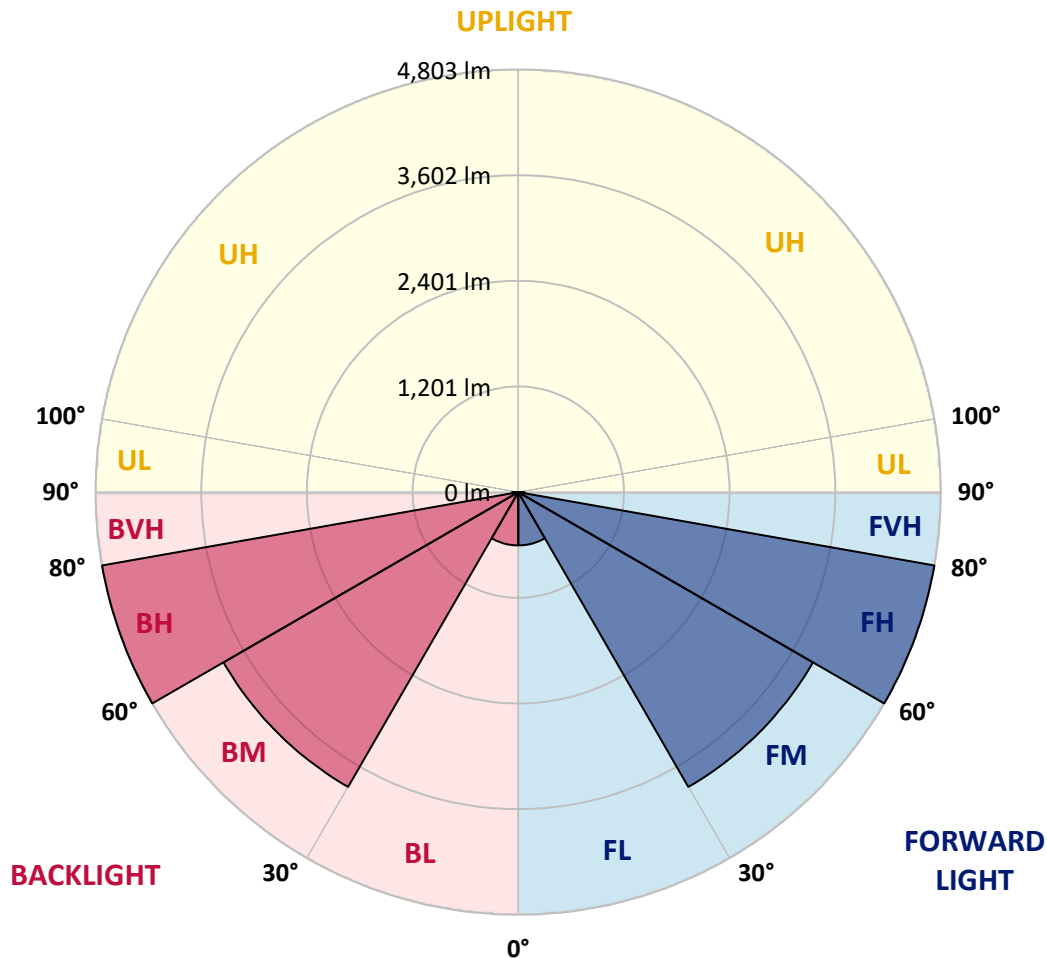
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.0	3.2			
FM (30°-60°)	3868.2	20.7			
FH (60°-80°)	4802.9	25.7			G2/5000
FVH (80°-90°)	69.7	0.4			G1/100
BL (0°-30°)	605.0	3.2	B2/1000		
BM (30°-60°)	3868.2	20.7	B3/5000		
BH (60°-80°)	4802.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	69.7	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°	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1	1429.1
2.5°	1412.6	1416.7	1414.6	1414.6	1420.8	1424.9	1427.0	1447.7	1439.4	1445.6	1439.4
5°	1416.7	1416.7	1420.8	1416.7	1420.8	1416.7	1420.8	1414.6	1420.8	1424.9	1431.1
7.5°	1408.4	1404.3	1398.1	1398.1	1396.0	1391.9	1385.7	1402.2	1394.0	1400.2	1410.5
10°	1410.5	1404.3	1383.6	1387.8	1369.2	1369.2	1373.3	1373.3	1391.9	1412.6	1418.7
12.5°	1410.5	1398.1	1391.9	1365.1	1365.1	1367.1	1377.4	1381.6	1394.0	1402.2	1422.9
15°	1410.5	1404.3	1394.0	1358.9	1367.1	1363.0	1373.3	1373.3	1400.2	1414.6	1424.9
17.5°	1418.7	1422.9	1404.3	1371.2	1373.3	1381.6	1375.4	1381.6	1414.6	1424.9	1439.4
20°	1420.8	1404.3	1398.1	1377.4	1396.0	1391.9	1389.8	1402.2	1412.6	1431.1	1447.7
22.5°	1416.7	1422.9	1398.1	1396.0	1412.6	1420.8	1424.9	1410.5	1422.9	1435.3	1449.7
25°	1451.8	1429.1	1422.9	1418.7	1427.0	1435.3	1431.1	1443.5	1443.5	1458.0	1476.6
27.5°	1546.8	1548.9	1536.5	1486.9	1470.4	1451.8	1460.1	1493.1	1532.3	1563.3	1569.5
30°	1590.2	1598.4	1631.5	1623.2	1617.0	1623.2	1621.1	1629.4	1633.5	1635.6	1629.4
32.5°	1629.4	1625.3	1610.8	1648.0	1769.8	1862.8	1774.0	1652.1	1625.3	1617.0	1625.3
35°	1771.9	1771.9	1740.9	1693.4	1757.4	1780.1	1738.8	1681.0	1714.1	1782.2	1786.3
37.5°	1955.7	1928.8	1941.2	1935.0	1864.8	1815.3	1887.5	1924.7	1930.9	1928.8	1949.5
40°	2065.1	2046.5	2028.0	2061.0	2125.0	2170.5	2106.4	2017.6	2040.4	2085.8	2067.2
42.5°	2315.0	2267.5	2271.6	2238.6	2236.5	2222.1	2207.6	2213.8	2246.9	2298.5	2306.8
45°	2571.1	2593.8	2579.4	2517.4	2546.3	2546.3	2505.0	2536.0	2552.5	2612.4	2620.7
47.5°	2971.7	2961.4	2967.6	2911.8	2909.8	2924.2	2909.8	2911.8	2963.5	2959.3	2936.6
50°	3440.5	3469.4	3477.7	3450.8	3417.8	3411.6	3388.9	3417.8	3448.8	3450.8	3432.3
52.5°	4089.0	4119.9	4119.9	4128.2	4169.5	4148.9	4144.7	4146.8	4086.9	4045.6	4066.2
55°	4906.8	4917.1	4952.2	5024.5	5150.4	5167.0	5088.5	5053.4	4943.9	4877.8	4929.5
57.5°	5714.2	5755.5	5852.6	6040.5	6195.4	6364.7	6137.6	5906.3	5691.5	5586.2	5604.8
60°	6385.4	6445.3	6631.1	6893.4	7323.0	7477.9	7093.7	6697.2	6261.5	5939.3	6069.4
62.5°	6701.4	6794.3	6951.2	7482.0	8126.3	8349.3	7785.6	7064.8	6404.0	6094.2	6088.0
64°	6703.4	6717.9	7031.8	7603.8	8266.7	8698.3	7952.8	7064.8	6439.1	6057.0	6127.3
65°	6565.1	6625.0	6928.5	7492.3	8177.9	8727.3	7895.0	6967.8	6294.5	5997.2	6030.2
67.5°	5937.3	5935.2	6216.1	6775.7	7727.7	8398.9	7403.5	6424.6	5937.3	5615.1	5654.3
70°	4504.1	4576.3	4844.8	5532.5	6686.9	7405.6	6474.2	5460.2	4853.1	4594.9	4580.5
72.5°	2695.0	2790.0	3132.8	3971.3	5193.8	6067.4	5138.1	4039.4	3308.3	2899.4	2909.8
75°	1228.8	1299.0	1534.4	2218.0	3461.2	4435.9	3481.8	2335.7	1674.8	1414.6	1377.4
77.5°	344.9	388.2	518.3	1018.1	1899.9	2659.9	1953.6	1125.5	731.1	607.1	594.8
80°	154.9	163.1	183.8	247.8	603.0	1173.0	807.5	413.0	274.7	227.2	216.8
82.5°	84.7	90.9	119.8	128.0	171.4	311.8	266.4	194.1	165.2	132.2	128.0
85°	47.5	49.6	68.1	68.1	82.6	90.9	97.1	103.3	101.2	74.3	72.3
87.5°	14.5	16.5	20.7	20.7	20.7	20.7	33.0	45.4	49.6	35.1	35.1
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)