

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: P479892

Luminaire Tested: **IFLD-M-SA4A-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479892
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

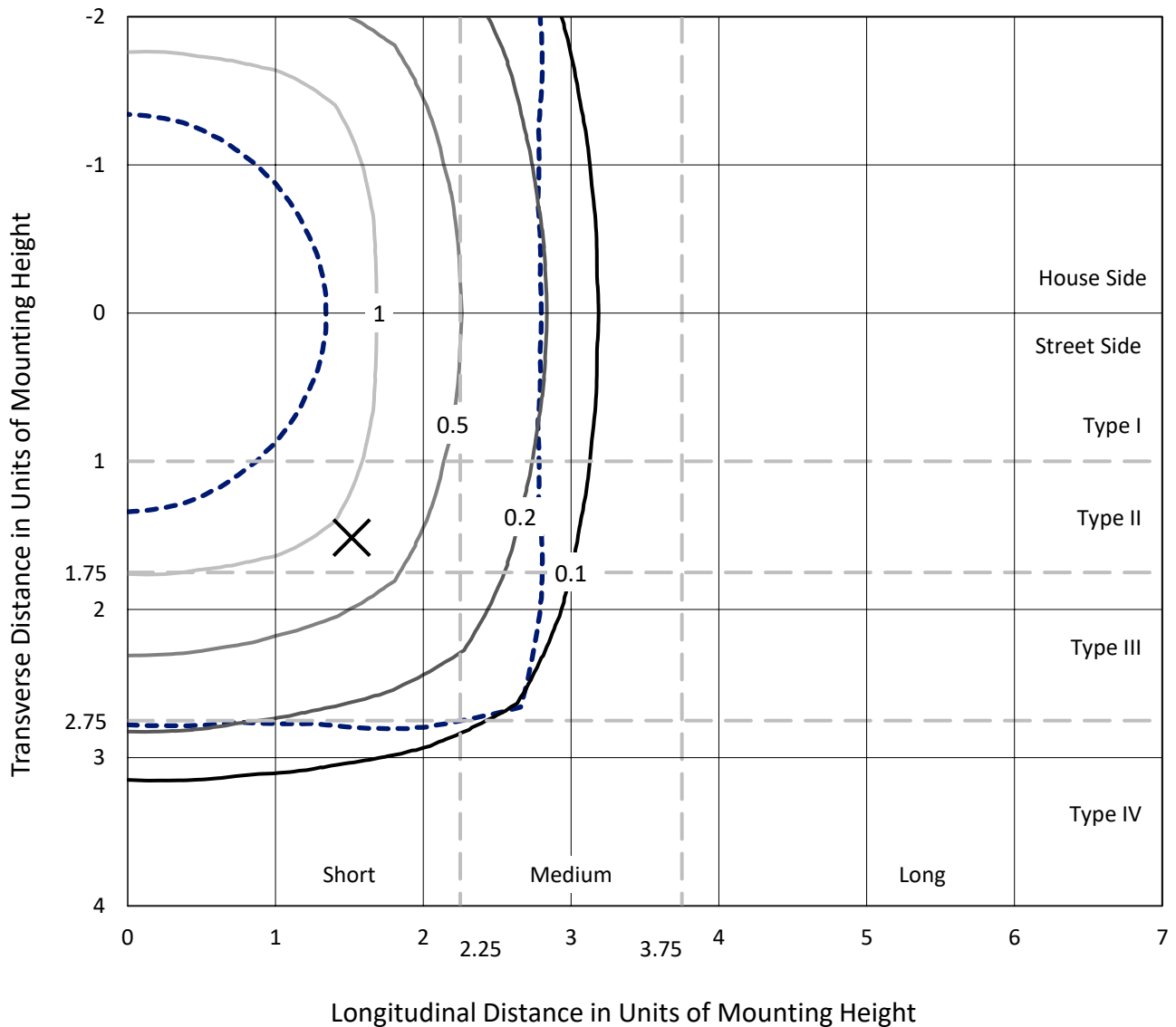
Lumens per Lamp: N/A
Luminaire Lumens: 15058.5 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

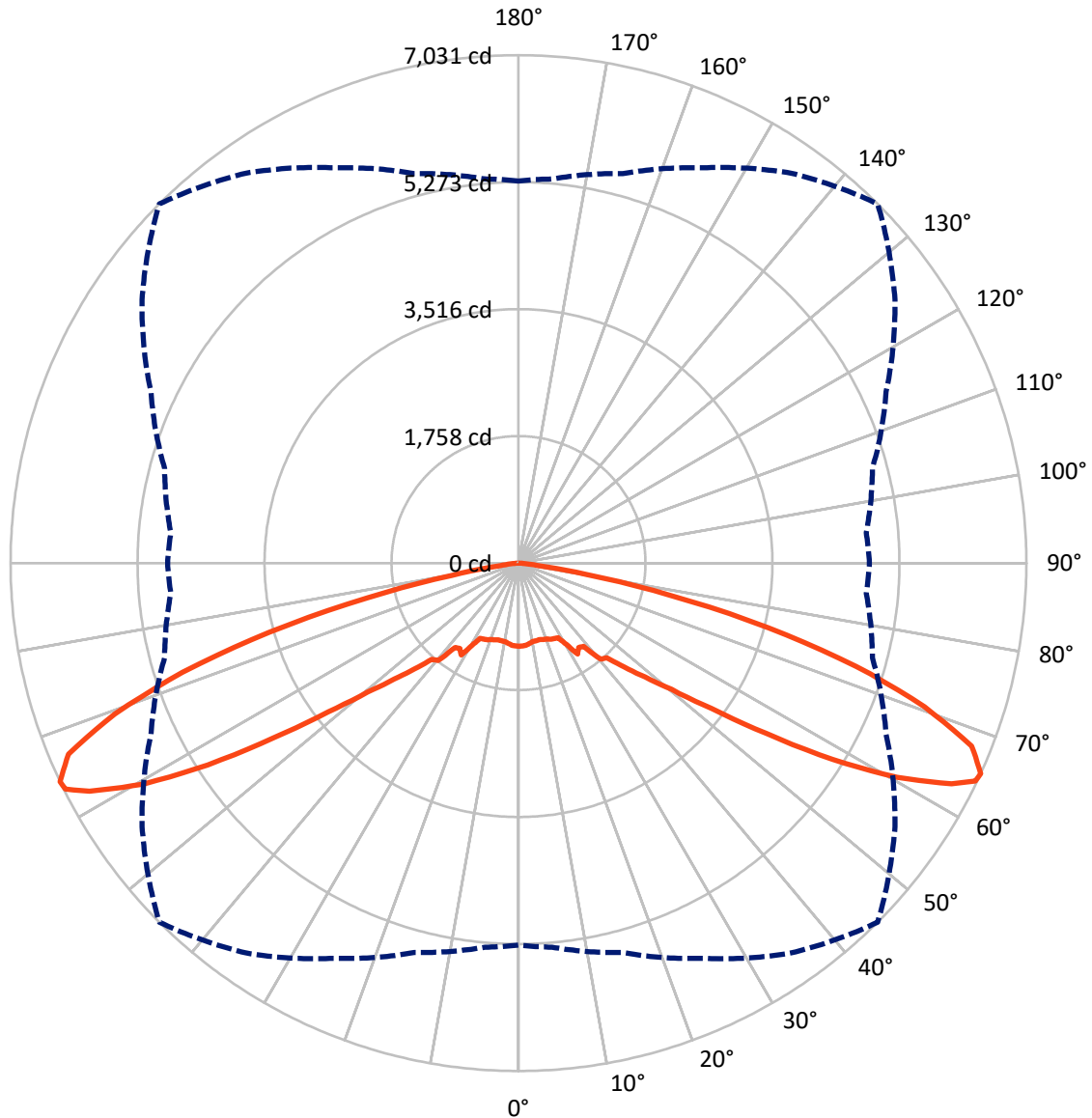
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	7529.2	0.0	7529.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7529.2	0.0	7529.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15058.5	0.0	15058.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	0.7
10°-20°	317.4	2.1
20°-30°	549.4	3.6
30°-40°	913.5	6.1
40°-50°	1648.0	10.9
50°-60°	3671.2	24.4
60°-70°	5471.3	36.3
70°-80°	2267.4	15.1
80°-90°	112.3	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°	15058.5	100.0
0°-180°	15058.5	100.0

Coefficient of Utilization



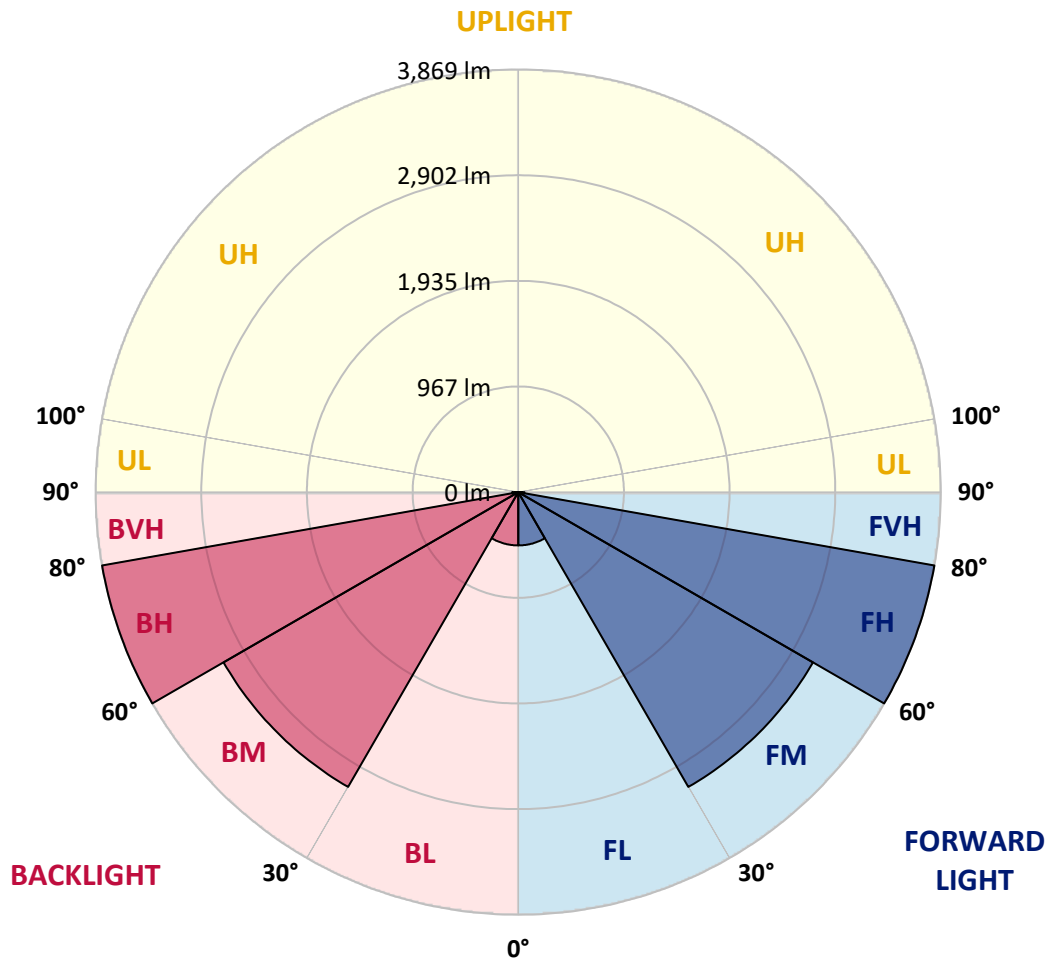
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.4	3.2			
FM (30°-60°)	3116.4	20.7			
FH (60°-80°)	3869.4	25.7			G2/5000
FVH (80°-90°)	56.1	0.4			G1/100
BL (0°-30°)	487.4	3.2	B1/500		
BM (30°-60°)	3116.4	20.7	B3/5000		
BH (60°-80°)	3869.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	56.1	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°	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3
2.5°	1138.0	1141.3	1139.7	1139.7	1144.7	1148.0	1149.7	1166.3	1159.6	1164.6	1159.6
5°	1141.3	1141.3	1144.7	1141.3	1144.7	1141.3	1144.7	1139.7	1144.7	1148.0	1153.0
7.5°	1134.7	1131.3	1126.4	1126.4	1124.7	1121.4	1116.4	1129.7	1123.0	1128.0	1136.3
10°	1136.3	1131.3	1114.7	1118.0	1103.1	1103.1	1106.4	1106.4	1121.4	1138.0	1143.0
12.5°	1136.3	1126.4	1121.4	1099.7	1099.7	1101.4	1109.7	1113.0	1123.0	1129.7	1146.3
15°	1136.3	1131.3	1123.0	1094.7	1101.4	1098.1	1106.4	1106.4	1128.0	1139.7	1148.0
17.5°	1143.0	1146.3	1131.3	1104.7	1106.4	1113.0	1108.1	1113.0	1139.7	1148.0	1159.6
20°	1144.7	1131.3	1126.4	1109.7	1124.7	1121.4	1119.7	1129.7	1138.0	1153.0	1166.3
22.5°	1141.3	1146.3	1126.4	1124.7	1138.0	1144.7	1148.0	1136.3	1146.3	1156.3	1168.0
25°	1169.6	1151.3	1146.3	1143.0	1149.7	1156.3	1153.0	1163.0	1163.0	1174.6	1189.6
27.5°	1246.1	1247.8	1237.8	1197.9	1184.6	1169.6	1176.3	1202.9	1234.5	1259.5	1264.4
30°	1281.1	1287.7	1314.4	1307.7	1302.7	1307.7	1306.0	1312.7	1316.0	1317.7	1312.7
32.5°	1312.7	1309.4	1297.7	1327.7	1425.8	1500.7	1429.2	1331.0	1309.4	1302.7	1309.4
35°	1427.5	1427.5	1402.5	1364.3	1415.9	1434.2	1400.9	1354.3	1380.9	1435.8	1439.1
37.5°	1575.6	1553.9	1563.9	1558.9	1502.4	1462.4	1520.7	1550.6	1555.6	1553.9	1570.6
40°	1663.7	1648.8	1633.8	1660.4	1712.0	1748.6	1697.0	1625.5	1643.8	1680.4	1665.4
42.5°	1865.1	1826.8	1830.1	1803.5	1801.8	1790.2	1778.5	1783.5	1810.2	1851.8	1858.4
45°	2071.4	2089.7	2078.0	2028.1	2051.4	2051.4	2018.1	2043.1	2056.4	2104.6	2111.3
47.5°	2394.1	2385.8	2390.8	2345.9	2344.2	2355.9	2344.2	2345.9	2387.5	2384.2	2365.9
50°	2771.8	2795.1	2801.8	2780.1	2753.5	2748.5	2730.2	2753.5	2778.5	2780.1	2765.2
52.5°	3294.2	3319.2	3319.2	3325.8	3359.1	3342.5	3339.1	3340.8	3292.6	3259.3	3275.9
55°	3953.1	3961.4	3989.7	4047.9	4149.4	4162.7	4099.5	4071.2	3983.0	3929.8	3971.4
57.5°	4603.6	4636.9	4715.1	4866.5	4991.2	5127.7	4944.7	4758.3	4585.3	4500.4	4515.4
60°	5144.3	5192.6	5342.3	5553.6	5899.7	6024.4	5715.0	5395.5	5044.5	4784.9	4889.8
62.5°	5398.9	5473.7	5600.2	6027.8	6546.9	6726.5	6272.3	5691.7	5159.3	4909.7	4904.7
64°	5400.5	5412.2	5665.1	6125.9	6660.0	7007.7	6407.1	5691.7	5187.6	4879.8	4936.3
65°	5289.1	5337.3	5581.9	6036.1	6588.4	7031.0	6360.5	5613.5	5071.1	4831.5	4858.1
67.5°	4783.3	4781.6	5007.9	5458.8	6225.7	6766.5	5964.5	5175.9	4783.3	4523.7	4555.3
70°	3628.6	3686.9	3903.2	4457.2	5387.2	5966.2	5215.9	4399.0	3909.8	3701.8	3690.2
72.5°	2171.2	2247.7	2523.9	3199.4	4184.3	4888.1	4139.4	3254.3	2665.3	2335.9	2344.2
75°	989.9	1046.5	1236.2	1786.9	2788.4	3573.7	2805.1	1881.7	1349.3	1139.7	1109.7
77.5°	277.8	312.8	417.6	820.2	1530.6	2142.9	1573.9	906.7	589.0	489.1	479.2
80°	124.8	131.4	148.1	199.6	485.8	945.0	650.5	332.7	221.3	183.0	174.7
82.5°	68.2	73.2	96.5	103.2	138.1	251.2	214.6	156.4	133.1	106.5	103.2
85°	38.3	39.9	54.9	54.9	66.5	73.2	78.2	83.2	81.5	59.9	58.2
87.5°	11.6	13.3	16.6	16.6	16.6	16.6	26.6	36.6	39.9	28.3	28.3
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)