

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: P524214

Luminaire Tested: **IFLD-L-SA8B-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524214
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

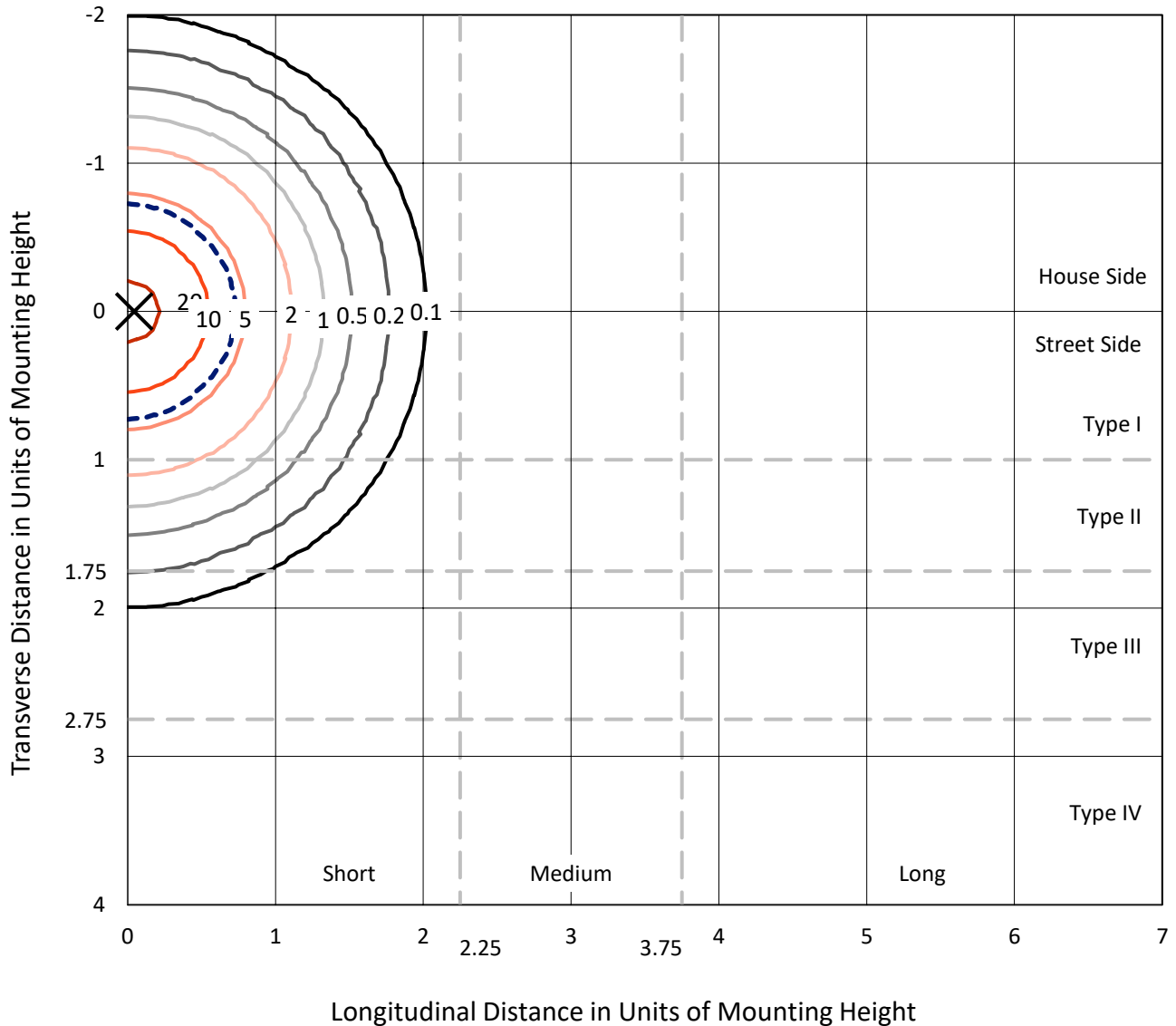
Lumens per Lamp: N/A
Luminaire Lumens: 30016 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

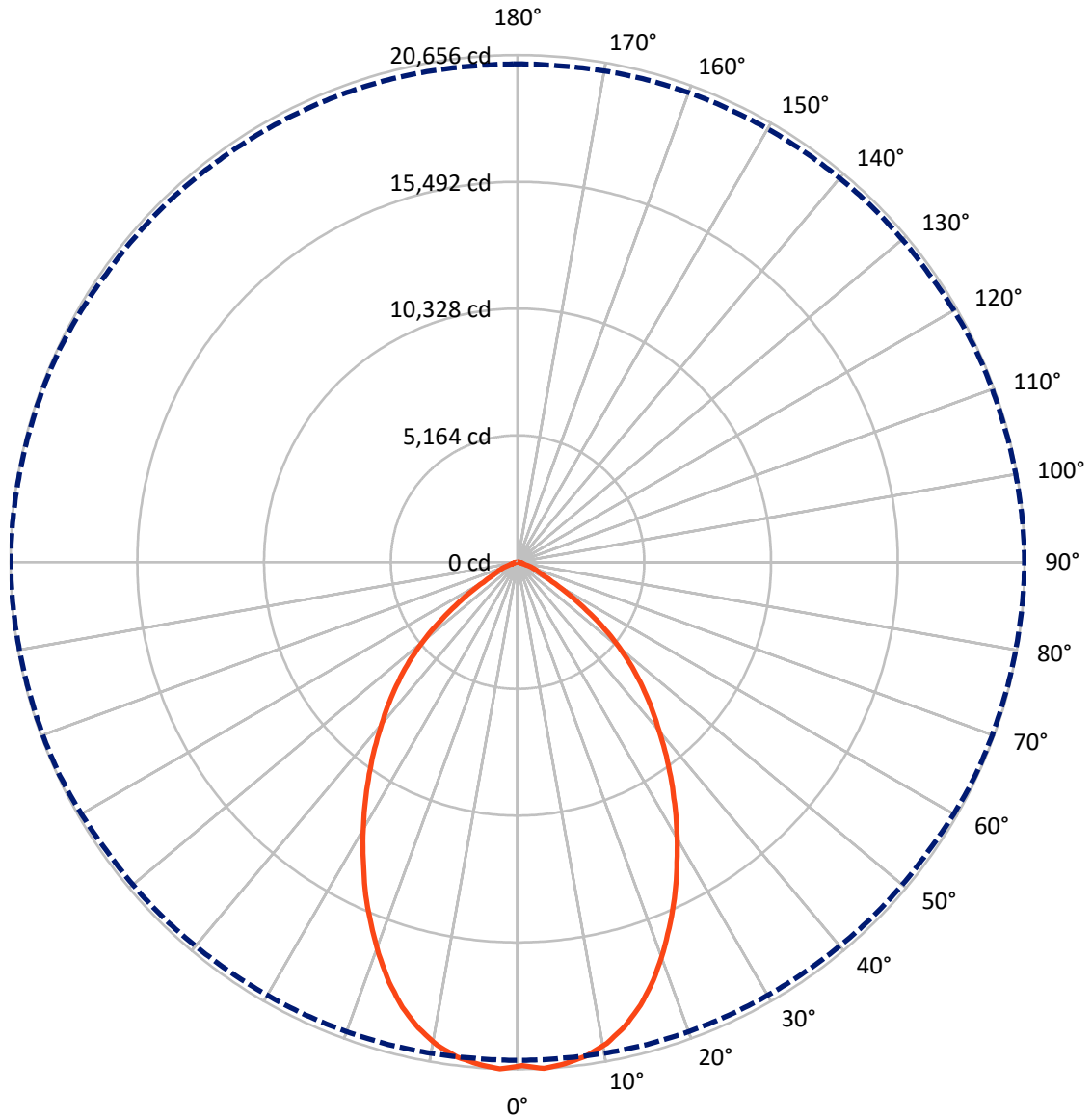
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 22.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15008.0	0.0	15008.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15008.0	0.0	15008.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30016.0	0.0	30016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1926.0	6.4
10°-20°	5175.3	17.2
20°-30°	6695.8	22.3
30°-40°	6603.7	22.0
40°-50°	5342.7	17.8
50°-60°	2908.9	9.7
60°-70°	921.7	3.1
70°-80°	356.6	1.2
80°-90°	85.2	0.3
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°	30016.0	100.0
0°-180°	30016.0	100.0

Coefficient of Utilization



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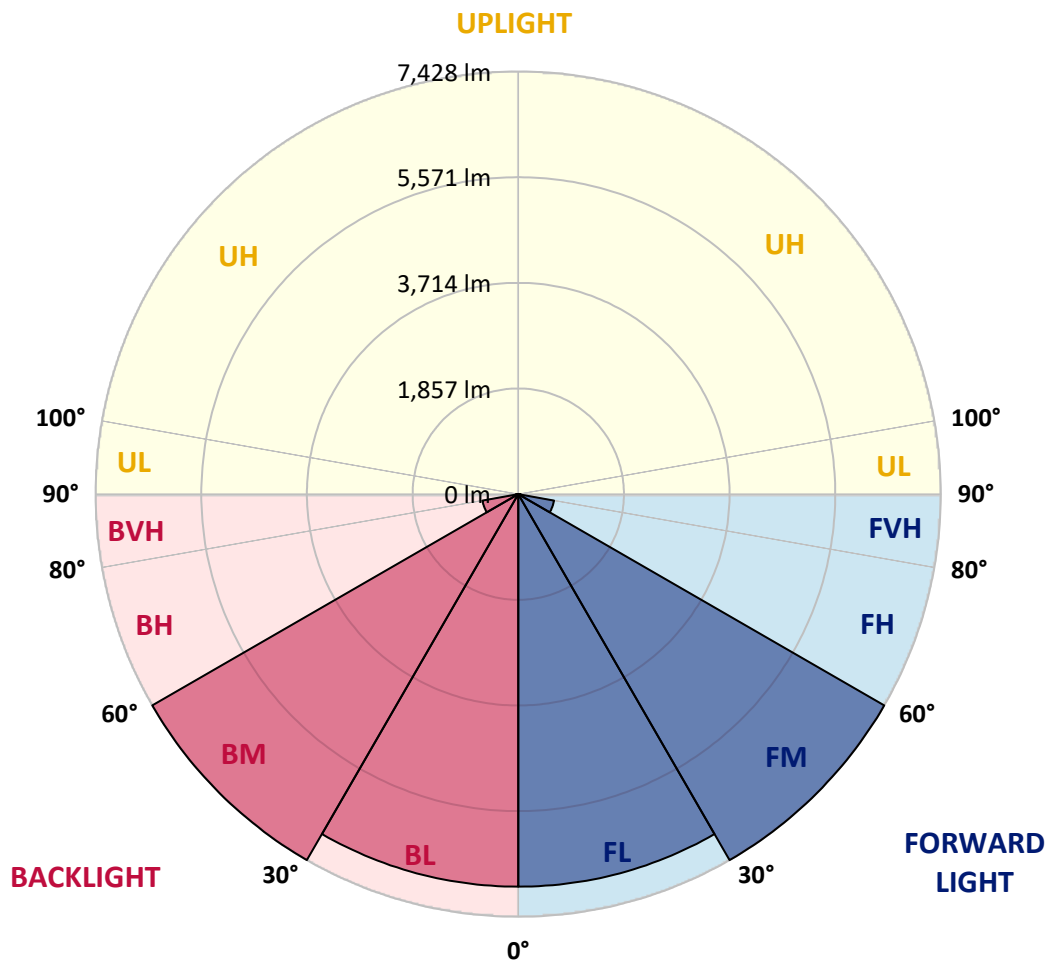
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6898.6	23.0			
FM (30°-60°)	7427.7	24.7			
FH (60°-80°)	639.1	2.1			G0/660
FVH (80°-90°)	42.6	0.1			G1/100
BL (0°-30°)	6898.6	23.0	B5		
BM (30°-60°)	7427.7	24.7	B4/8500		
BH (60°-80°)	639.1	2.1	B2/1000		G0/660
BVH (80°-90°)	42.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8	20516.8
2.5°	20295.6	20291.2	20343.3	20365.0	20391.0	20443.0	20460.4	20573.1	20586.1	20629.5	20655.5
5°	20260.9	20243.5	20295.6	20304.3	20334.6	20343.3	20369.3	20447.4	20438.7	20503.7	20516.8
7.5°	20074.4	20052.7	20096.1	20104.8	20148.1	20135.1	20178.5	20234.9	20234.9	20282.6	20304.3
10°	19658.1	19653.8	19697.1	19701.5	19762.2	19749.2	19818.6	19831.6	19866.3	19900.9	19940.0
12.5°	19159.4	19103.0	19159.4	19137.7	19220.1	19172.4	19267.8	19298.2	19315.5	19376.2	19406.6
15°	18517.6	18448.2	18487.2	18465.5	18517.6	18456.8	18556.6	18617.3	18639.0	18699.7	18730.0
17.5°	17658.9	17602.5	17611.2	17580.8	17615.5	17567.8	17663.2	17758.6	17789.0	17854.0	17897.4
20°	16579.1	16579.1	16583.4	16557.4	16587.7	16540.0	16600.7	16748.2	16778.5	16865.3	16939.0
22.5°	15525.3	15525.3	15538.3	15503.6	15512.2	15490.6	15555.6	15698.7	15746.4	15837.5	15928.6
25°	14514.8	14497.5	14506.1	14475.8	14441.1	14449.8	14527.8	14618.9	14723.0	14840.1	14909.4
27.5°	13552.1	13573.8	13521.7	13500.0	13474.0	13426.3	13517.4	13630.1	13703.9	13799.3	13834.0
30°	12524.3	12567.6	12528.6	12511.3	12446.2	12385.5	12480.9	12593.7	12667.4	12758.5	12797.5
32.5°	11609.2	11596.2	11561.5	11522.5	11457.5	11409.8	11448.8	11578.9	11635.3	11730.7	11743.7
35°	10629.2	10620.5	10598.8	10520.7	10499.1	10442.7	10477.4	10590.1	10633.5	10689.9	10733.2
37.5°	9670.8	9640.4	9631.7	9601.4	9562.3	9549.3	9549.3	9610.0	9653.4	9709.8	9753.2
40°	8721.0	8729.7	8703.7	8677.7	8664.7	8647.3	8651.6	8686.3	8721.0	8747.0	8773.1
42.5°	7862.4	7814.7	7797.3	7771.3	7784.3	7806.0	7758.3	7810.3	7853.7	7853.7	7910.1
45°	6877.9	6899.6	6908.3	6951.7	6951.7	6930.0	6912.6	6938.7	6982.0	6977.7	7034.1
47.5°	6019.3	5993.3	6015.0	6080.0	6136.4	6145.1	6093.0	6106.0	6119.0	6097.3	6149.4
50°	5078.2	5086.9	5082.6	5182.3	5295.1	5256.0	5217.0	5230.0	5225.7	5225.7	5234.4
52.5°	4054.8	4076.5	4050.4	4193.6	4315.0	4284.6	4258.6	4258.6	4280.3	4275.9	4271.6
55°	3122.4	3113.7	3057.3	3126.7	3235.2	3239.5	3200.5	3217.8	3239.5	3261.2	3256.8
57.5°	2324.5	2298.4	2220.4	2224.7	2346.1	2376.5	2341.8	2337.5	2363.5	2372.2	2419.9
60°	1565.5	1561.2	1491.8	1487.5	1535.2	1617.6	1578.5	1578.5	1587.2	1600.2	1613.2
62.5°	1071.2	1079.8	1053.8	1049.5	1058.1	1127.5	1123.2	1118.9	1114.5	1131.9	1127.5
65°	841.3	845.6	837.0	837.0	841.3	871.7	902.0	906.4	910.7	915.0	910.7
67.5°	676.5	680.9	672.2	680.9	680.9	685.2	728.6	745.9	750.2	750.2	745.9
70°	520.4	537.7	546.4	546.4	546.4	546.4	576.8	598.5	594.1	568.1	542.1
72.5°	260.2	316.6	438.0	442.3	438.0	433.7	451.0	472.7	468.4	329.6	247.2
75°	173.5	186.5	342.6	359.9	355.6	338.3	355.6	381.6	373.0	212.5	203.8
77.5°	99.7	108.4	229.8	264.5	286.2	247.2	281.9	307.9	294.9	173.5	169.1
80°	78.1	73.7	164.8	203.8	195.1	156.1	229.8	247.2	225.5	130.1	117.1
82.5°	47.7	47.7	108.4	156.1	143.1	91.1	160.5	190.8	169.1	95.4	86.7
85°	26.0	30.4	52.0	78.1	82.4	60.7	86.7	104.1	104.1	60.7	60.7
87.5°	13.0	13.0	17.3	17.3	21.7	26.0	26.0	30.4	21.7	17.3	17.3
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)