

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: P524093

Luminaire Tested: **IFLD-L-SA7C-927-U-66**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524093
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

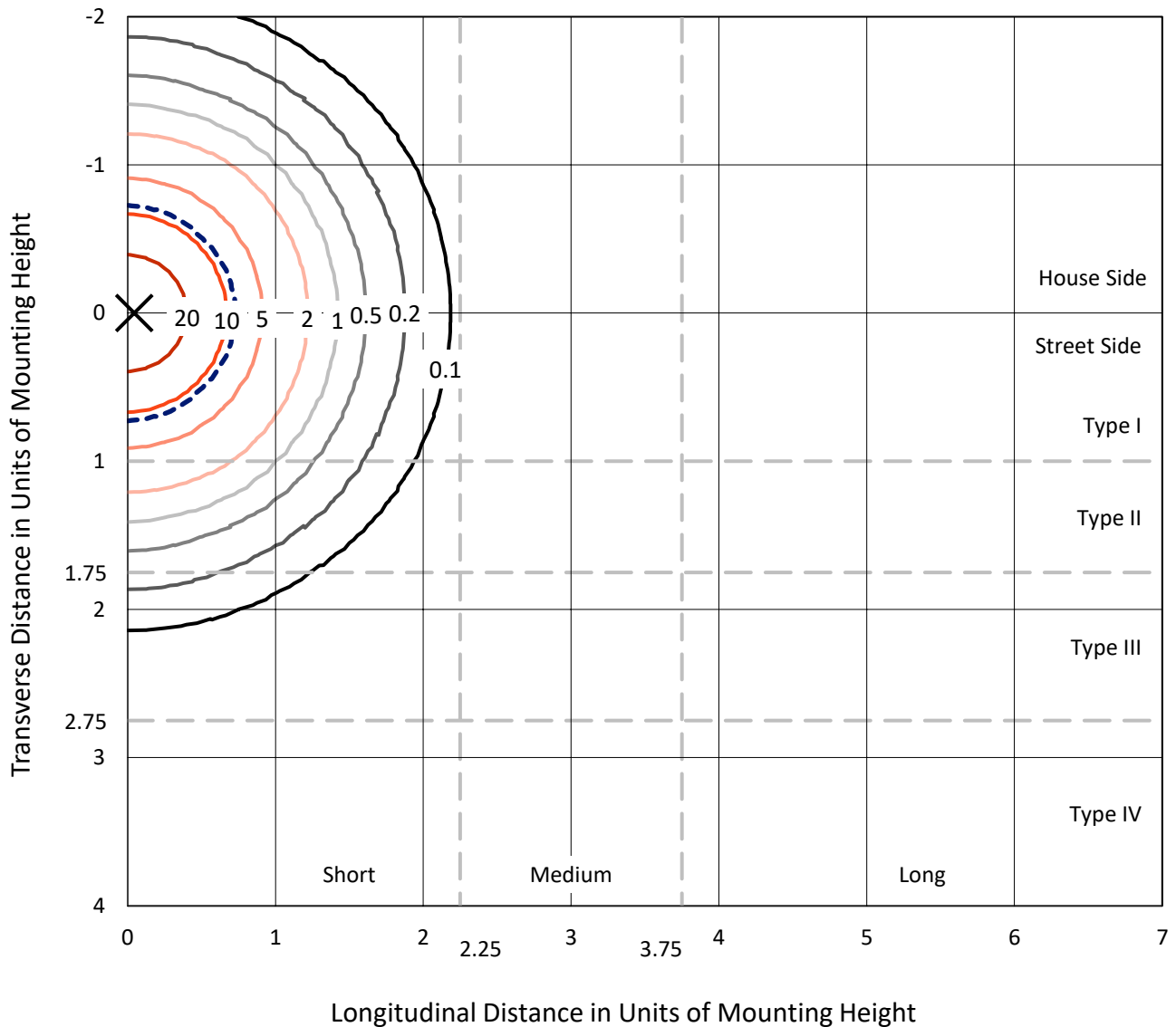
Lumens per Lamp: N/A
Luminaire Lumens: 29118.8 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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

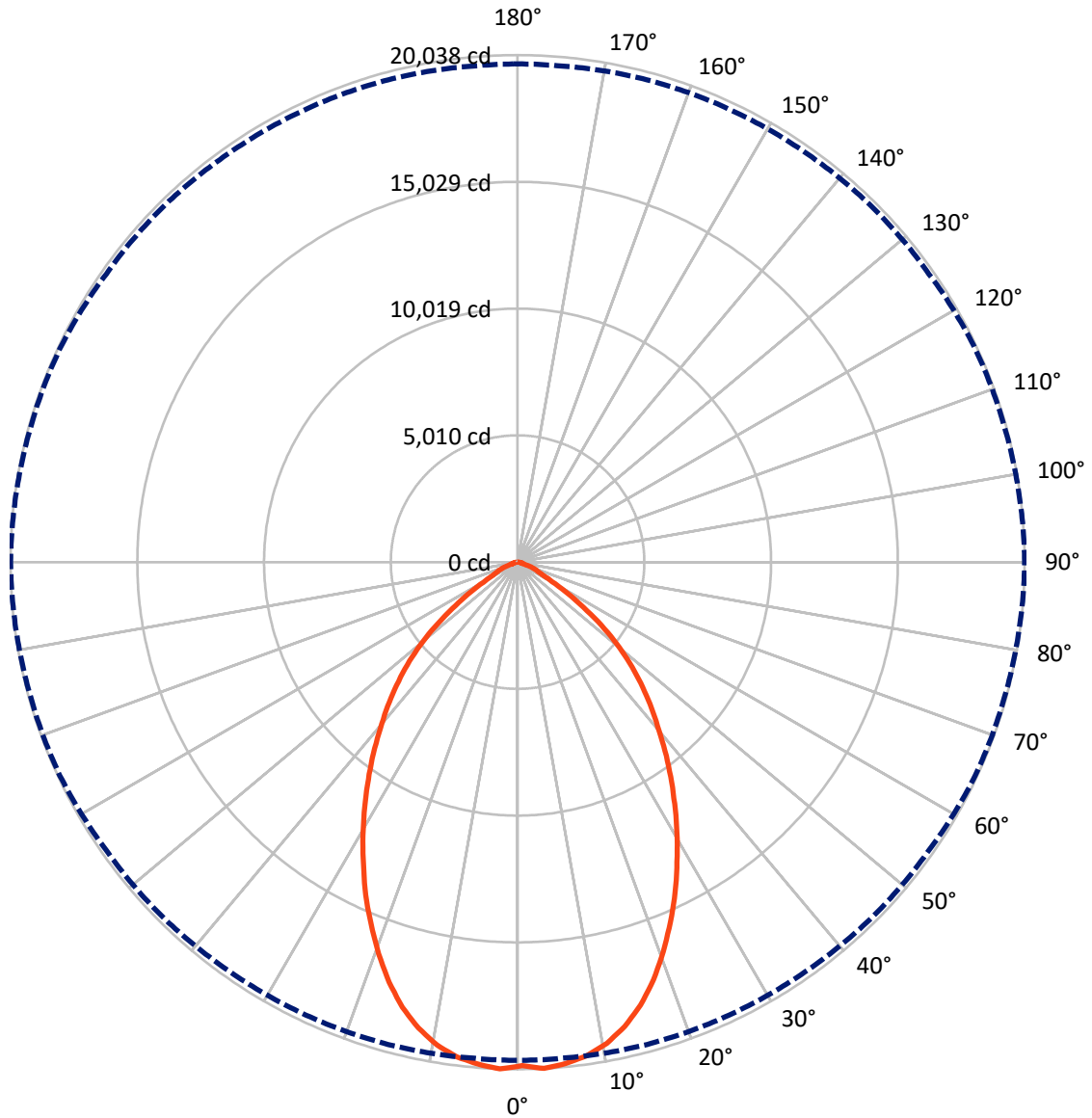
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31.8 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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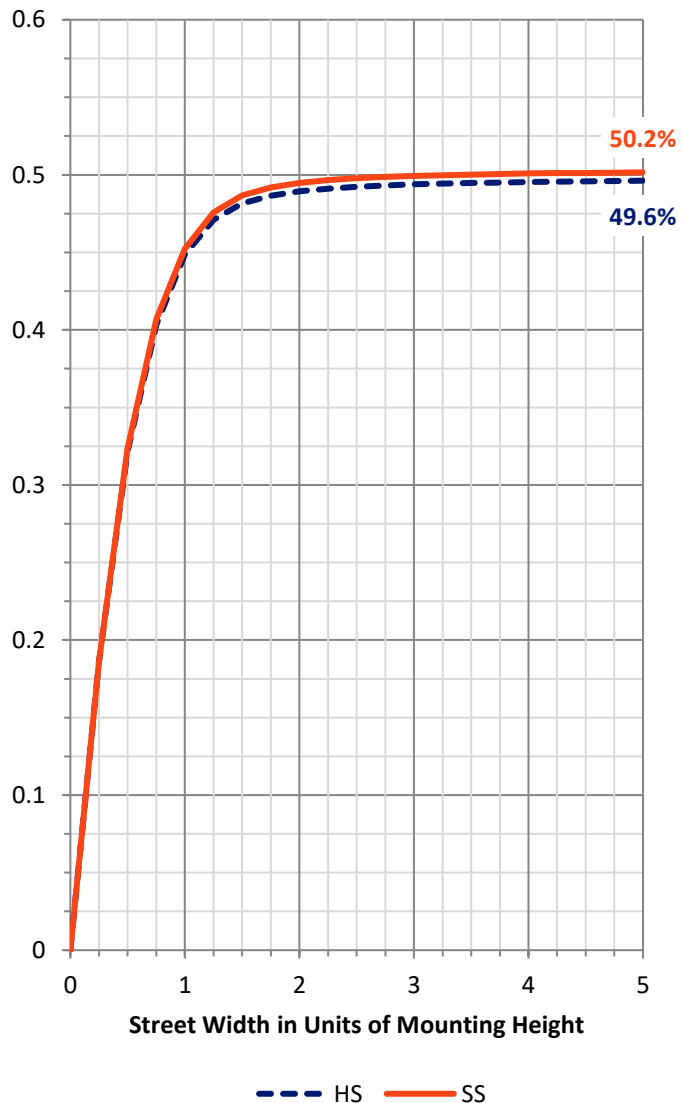
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14559.4	0.0	14559.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14559.4	0.0	14559.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	29118.8	0.0	29118.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1868.5	6.4
10°-20°	5020.6	17.2
20°-30°	6495.7	22.3
30°-40°	6406.3	22.0
40°-50°	5183.0	17.8
50°-60°	2822.0	9.7
60°-70°	894.1	3.1
70°-80°	346.0	1.2
80°-90°	82.7	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°	29118.8	100.0
0°-180°	29118.8	100.0

Coefficient of Utilization



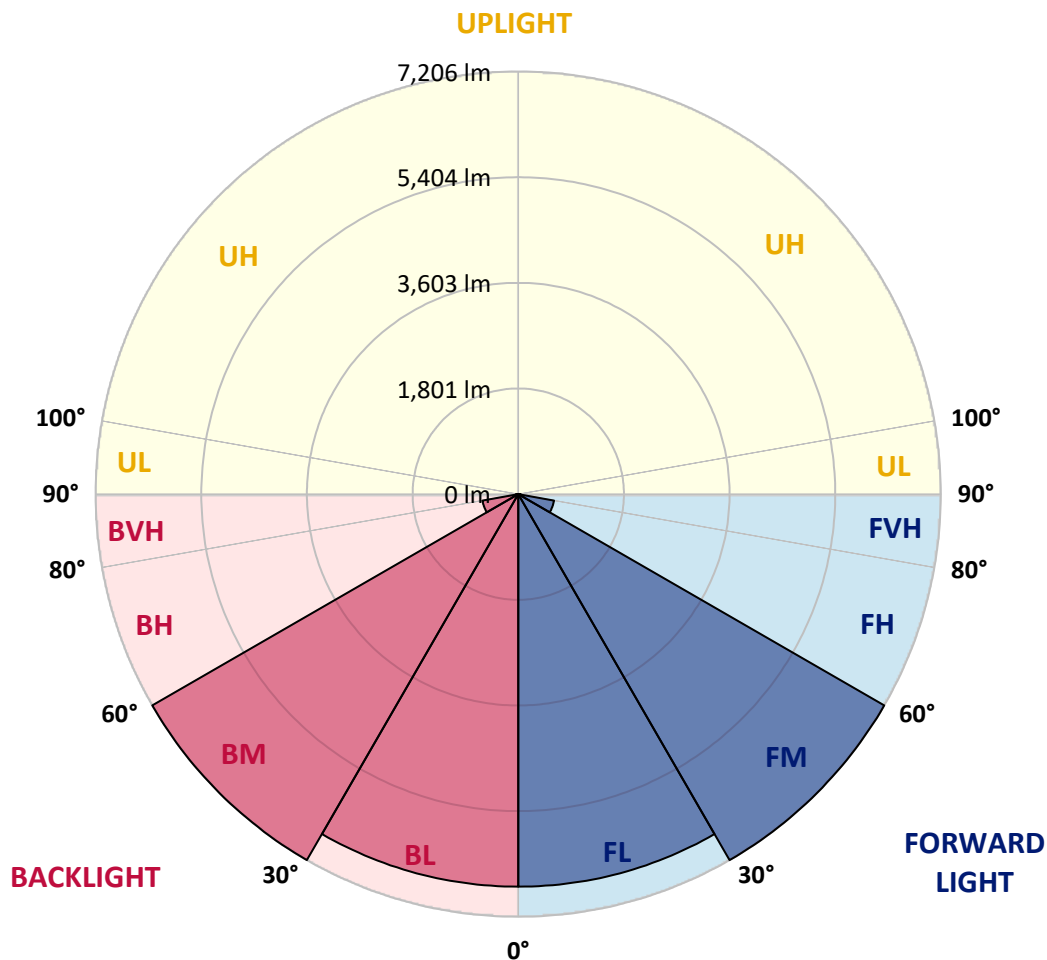
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6692.4	23.0			
FM (30°-60°)	7205.6	24.7			
FH (60°-80°)	620.0	2.1			G0/660
FVH (80°-90°)	41.3	0.1			G1/100
BL (0°-30°)	6692.4	23.0	B5		
BM (30°-60°)	7205.6	24.7	B4/8500		
BH (60°-80°)	620.0	2.1	B2/1000		G0/660
BVH (80°-90°)	41.3	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°	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5	19903.5
2.5°	19688.9	19684.7	19735.2	19756.3	19781.5	19832.0	19848.8	19958.2	19970.8	20012.9	20038.1
5°	19655.3	19638.5	19688.9	19697.4	19726.8	19735.2	19760.5	19836.2	19827.8	19890.9	19903.5
7.5°	19474.4	19453.3	19495.4	19503.8	19545.9	19533.3	19575.4	19630.0	19630.0	19676.3	19697.4
10°	19070.5	19066.3	19108.4	19112.6	19171.5	19158.9	19226.2	19238.8	19272.4	19306.1	19344.0
12.5°	18586.7	18532.0	18586.7	18565.7	18645.6	18599.3	18691.9	18721.3	18738.2	18797.1	18826.5
15°	17964.1	17896.7	17934.6	17913.6	17964.1	17905.2	18001.9	18060.8	18081.9	18140.8	18170.2
17.5°	17131.1	17076.4	17084.8	17055.3	17089.0	17042.7	17135.3	17227.8	17257.3	17320.4	17362.5
20°	16083.5	16083.5	16087.7	16062.5	16091.9	16045.6	16104.5	16247.6	16277.0	16361.2	16432.7
22.5°	15061.2	15061.2	15073.8	15040.2	15048.6	15027.5	15090.6	15229.5	15275.8	15364.1	15452.5
25°	14081.0	14064.1	14072.5	14043.1	14009.4	14017.9	14093.6	14181.9	14282.9	14396.5	14463.8
27.5°	13147.0	13168.0	13117.5	13096.5	13071.3	13025.0	13113.3	13222.7	13294.2	13386.8	13420.5
30°	12149.9	12192.0	12154.1	12137.3	12074.2	12015.3	12107.9	12217.2	12288.8	12377.1	12415.0
32.5°	11262.2	11249.6	11216.0	11178.1	11115.0	11068.7	11106.6	11232.8	11287.5	11380.0	11392.7
35°	10311.5	10303.0	10282.0	10206.3	10185.2	10130.6	10164.2	10273.6	10315.7	10370.4	10412.4
37.5°	9381.7	9352.2	9343.8	9314.4	9276.5	9263.9	9263.9	9322.8	9364.9	9419.6	9461.6
40°	8460.4	8468.8	8443.5	8418.3	8405.7	8388.8	8393.0	8426.7	8460.4	8485.6	8510.8
42.5°	7627.4	7581.1	7564.3	7539.0	7551.6	7572.7	7526.4	7576.9	7618.9	7618.9	7673.6
45°	6672.4	6693.4	6701.8	6743.9	6743.9	6722.8	6706.0	6731.3	6773.3	6769.1	6823.8
47.5°	5839.4	5814.1	5835.2	5898.3	5953.0	5961.4	5910.9	5923.5	5936.1	5915.1	5965.6
50°	4926.4	4934.9	4930.6	5027.4	5136.8	5098.9	5061.1	5073.7	5069.5	5069.5	5077.9
52.5°	3933.6	3954.6	3929.4	4068.2	4186.0	4156.6	4131.3	4131.3	4152.3	4148.1	4143.9
55°	3029.1	3020.7	2966.0	3033.3	3138.5	3142.7	3104.8	3121.6	3142.7	3163.7	3159.5
57.5°	2255.0	2229.7	2154.0	2158.2	2276.0	2305.5	2271.8	2267.6	2292.8	2301.3	2347.5
60°	1518.7	1514.5	1447.2	1443.0	1489.3	1569.2	1531.4	1531.4	1539.8	1552.4	1565.0
62.5°	1039.1	1047.6	1022.3	1018.1	1026.5	1093.8	1089.6	1085.4	1081.2	1098.0	1093.8
65°	816.2	820.4	812.0	812.0	816.2	845.6	875.1	879.3	883.5	887.7	883.5
67.5°	656.3	660.5	652.1	660.5	660.5	664.7	706.8	723.6	727.8	727.8	723.6
70°	504.8	521.7	530.1	530.1	530.1	530.1	559.5	580.6	576.4	551.1	525.9
72.5°	252.4	307.1	424.9	429.1	424.9	420.7	437.5	458.6	454.4	319.7	239.8
75°	168.3	180.9	332.4	349.2	345.0	328.1	345.0	370.2	361.8	206.1	197.7
77.5°	96.8	105.2	223.0	256.6	277.7	239.8	273.5	298.7	286.1	168.3	164.1
80°	75.7	71.5	159.9	197.7	189.3	151.5	223.0	239.8	218.8	126.2	113.6
82.5°	46.3	46.3	105.2	151.5	138.8	88.3	155.7	185.1	164.1	92.6	84.1
85°	25.2	29.4	50.5	75.7	79.9	58.9	84.1	101.0	101.0	58.9	58.9
87.5°	12.6	12.6	16.8	16.8	21.0	25.2	25.2	29.4	21.0	16.8	16.8
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)