

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: P524130

Luminaire Tested: **IFLD-L-SA7A-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524130
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

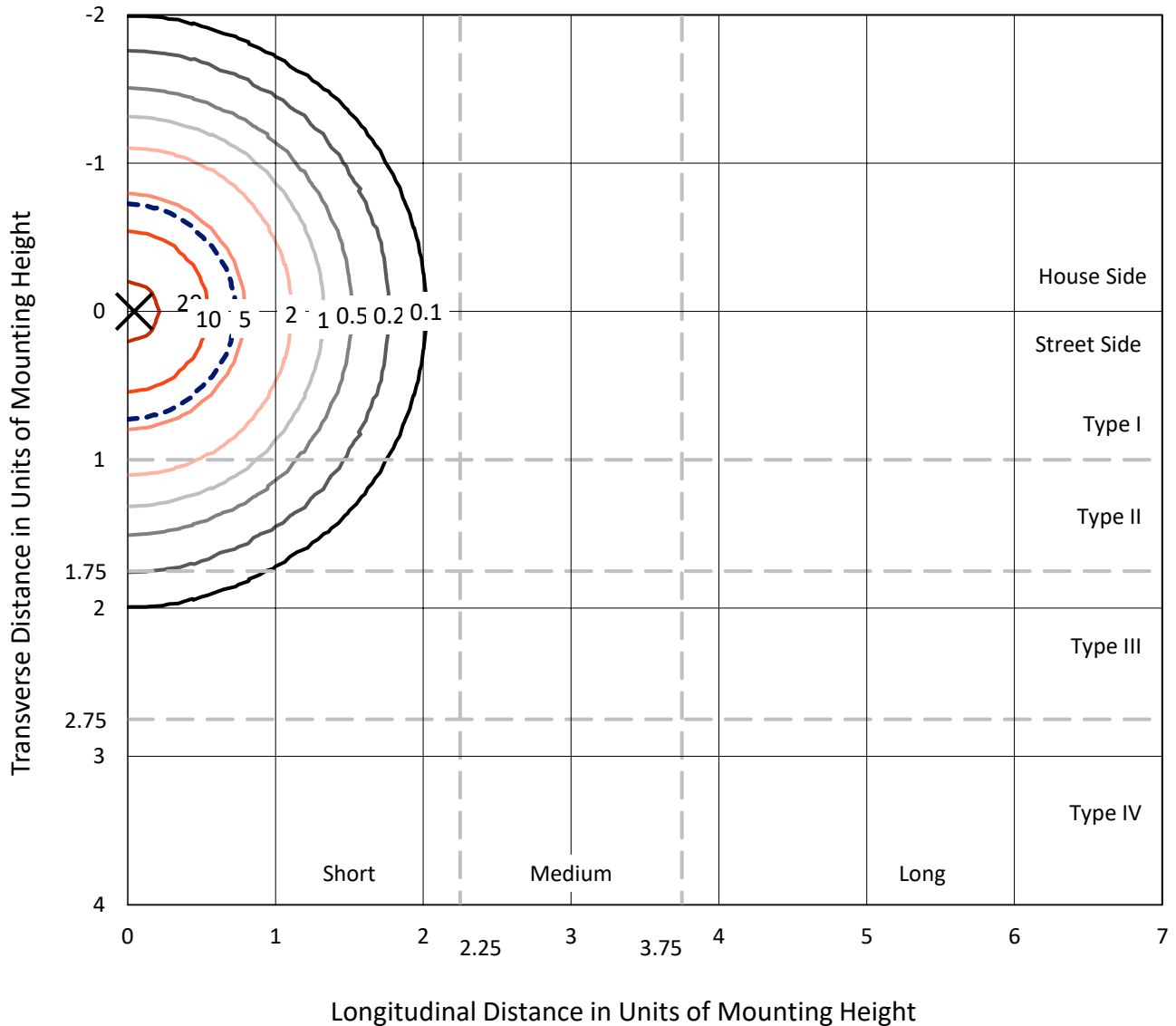
Lumens per Lamp: N/A
Luminaire Lumens: 20785.1 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 217.6
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

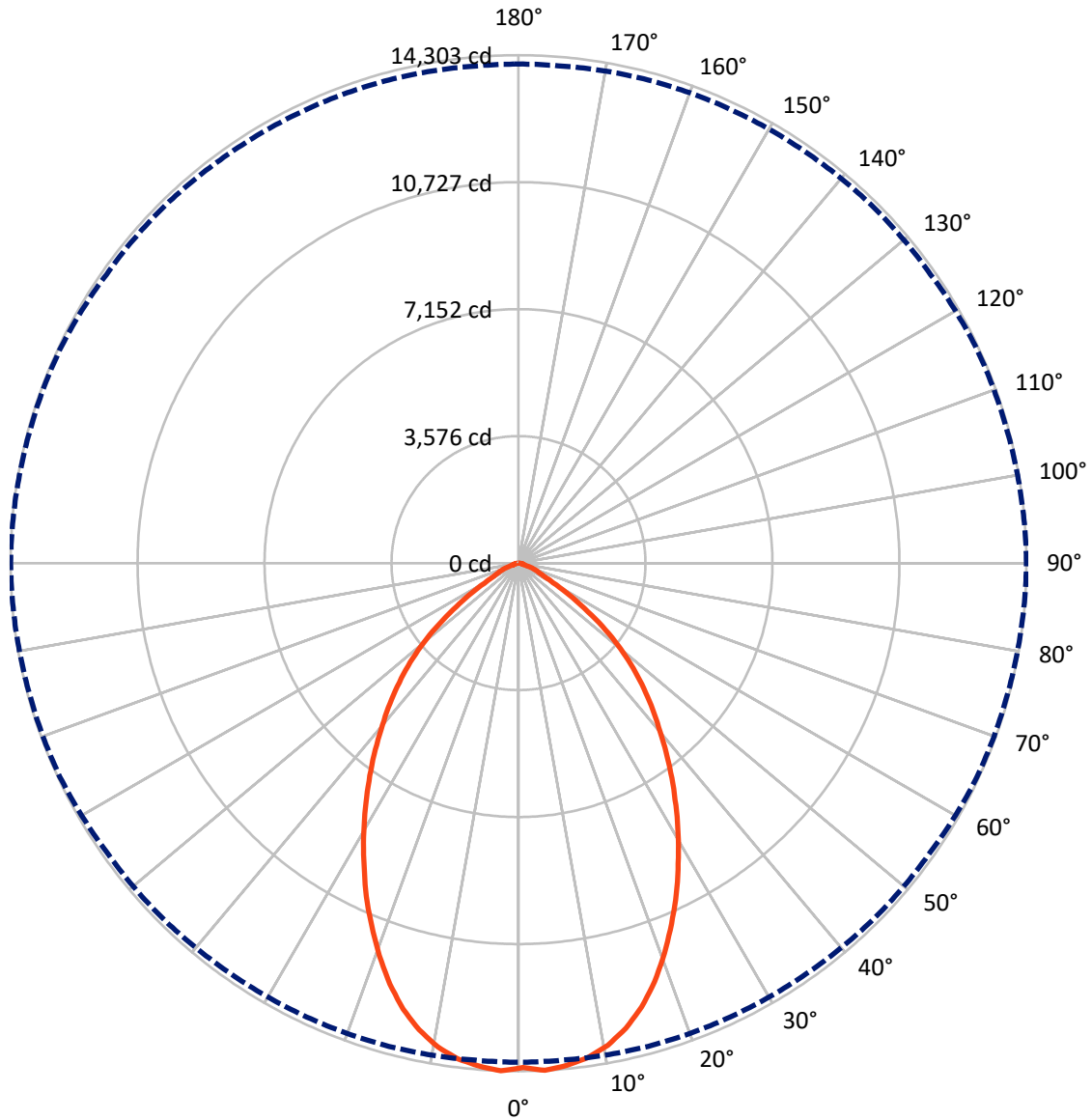
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.7 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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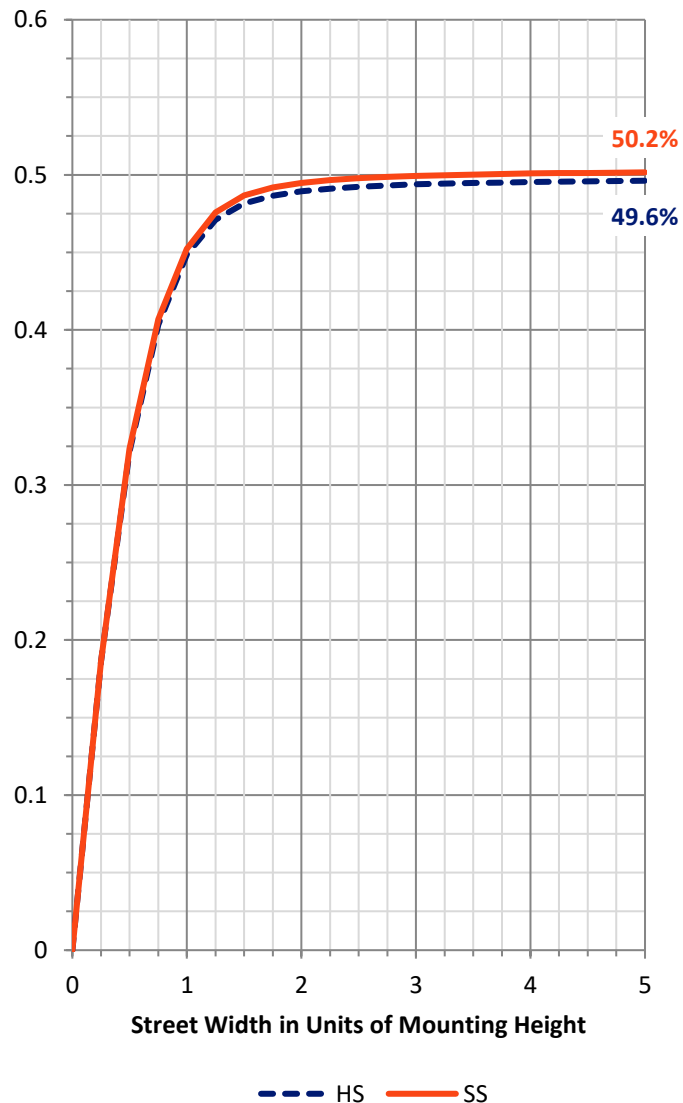
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10392.6	0.0	10392.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10392.6	0.0	10392.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20785.1	0.0	20785.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1333.7	6.4
10°-20°	3583.7	17.2
20°-30°	4636.6	22.3
30°-40°	4572.8	22.0
40°-50°	3699.6	17.8
50°-60°	2014.3	9.7
60°-70°	638.2	3.1
70°-80°	246.9	1.2
80°-90°	59.0	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°	20785.1	100.0
0°-180°	20785.1	100.0

Coefficient of Utilization



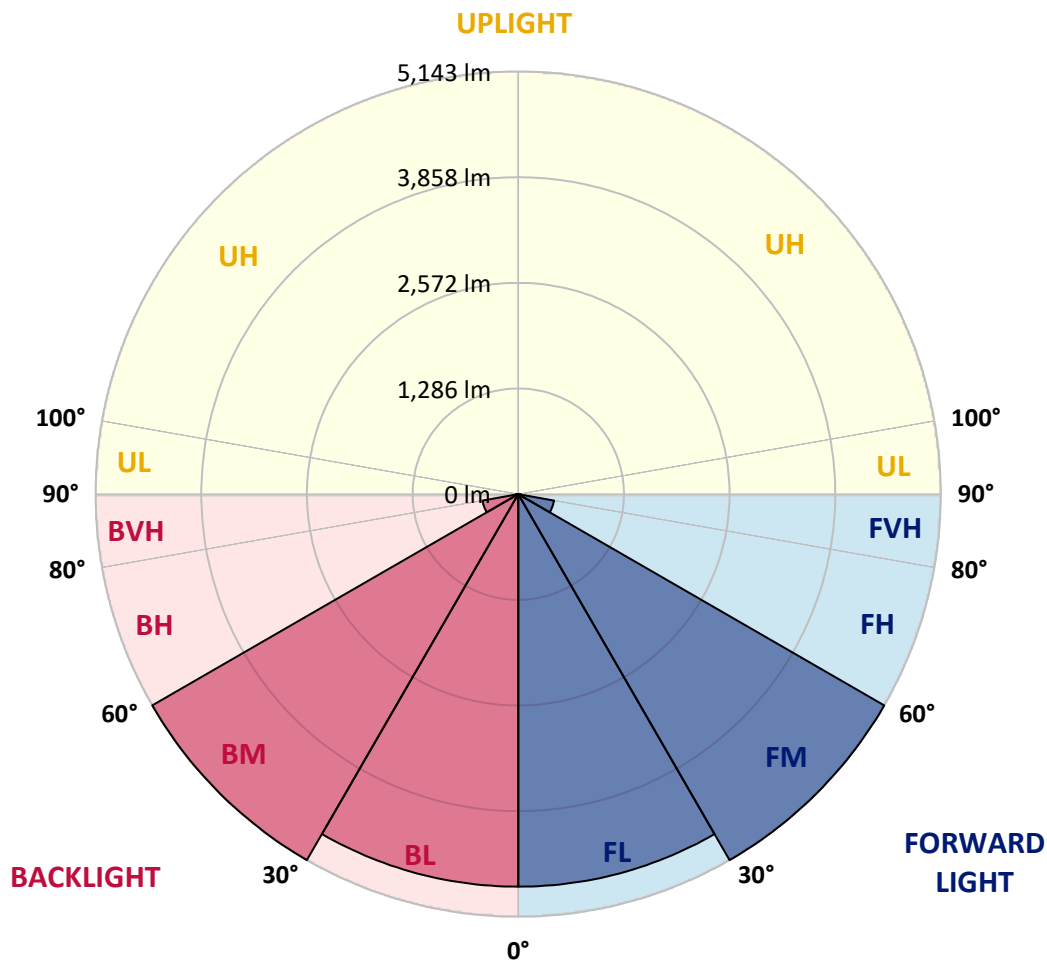
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4777.0	23.0			
FM (30°-60°)	5143.4	24.7			
FH (60°-80°)	442.6	2.1			G0/660
FVH (80°-90°)	29.5	0.1			G1/100
BL (0°-30°)	4777.0	23.0	B4/5000		
BM (30°-60°)	5143.4	24.7	B4/8500		
BH (60°-80°)	442.6	2.1	B1/500		G0/660
BVH (80°-90°)	29.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2	14207.2
2.5°	14054.0	14051.0	14087.1	14102.1	14120.1	14156.1	14168.1	14246.2	14255.2	14285.3	14303.3
5°	14030.0	14018.0	14054.0	14060.0	14081.1	14087.1	14105.1	14159.1	14153.1	14198.2	14207.2
7.5°	13900.9	13885.9	13915.9	13921.9	13951.9	13942.9	13972.9	14012.0	14012.0	14045.0	14060.0
10°	13612.6	13609.6	13639.6	13642.6	13684.7	13675.7	13723.7	13732.7	13756.7	13780.8	13807.8
12.5°	13267.2	13228.2	13267.2	13252.2	13309.3	13276.3	13342.3	13363.3	13375.4	13417.4	13438.4
15°	12822.8	12774.8	12801.8	12786.8	12822.8	12780.8	12849.8	12891.9	12906.9	12948.9	12969.9
17.5°	12228.2	12189.2	12195.2	12174.2	12198.2	12165.1	12231.2	12297.3	12318.3	12363.3	12393.4
20°	11480.5	11480.5	11483.5	11465.4	11486.5	11453.4	11495.5	11597.6	11618.6	11678.7	11729.7
22.5°	10750.7	10750.7	10759.7	10735.7	10741.7	10726.7	10771.8	10870.9	10903.9	10966.9	11030.0
25°	10051.0	10039.0	10045.0	10024.0	10000.0	10006.0	10060.0	10123.1	10195.2	10276.3	10324.3
27.5°	9384.4	9399.4	9363.3	9348.3	9330.3	9297.3	9360.3	9438.4	9489.5	9555.5	9579.6
30°	8672.7	8702.7	8675.7	8663.6	8618.6	8576.6	8642.6	8720.7	8771.8	8834.8	8861.8
32.5°	8039.0	8030.0	8006.0	7979.0	7933.9	7900.9	7927.9	8018.0	8057.0	8123.1	8132.1
35°	7360.3	7354.3	7339.3	7285.3	7270.3	7231.2	7255.2	7333.3	7363.4	7402.4	7432.4
37.5°	6696.7	6675.7	6669.7	6648.6	6621.6	6612.6	6612.6	6654.6	6684.7	6723.7	6753.7
40°	6039.0	6045.0	6027.0	6009.0	6000.0	5988.0	5991.0	6015.0	6039.0	6057.0	6075.1
42.5°	5444.4	5411.4	5399.4	5381.4	5390.4	5405.4	5372.4	5408.4	5438.4	5438.4	5477.5
45°	4762.8	4777.8	4783.8	4813.8	4813.8	4798.8	4786.8	4804.8	4834.8	4831.8	4870.9
47.5°	4168.2	4150.1	4165.2	4210.2	4249.2	4255.2	4219.2	4228.2	4237.2	4222.2	4258.3
50°	3516.5	3522.5	3519.5	3588.6	3666.7	3639.6	3612.6	3621.6	3618.6	3618.6	3624.6
52.5°	2807.8	2822.8	2804.8	2903.9	2988.0	2967.0	2948.9	2948.9	2964.0	2961.0	2958.0
55°	2162.2	2156.2	2117.1	2165.2	2240.2	2243.2	2216.2	2228.2	2243.2	2258.3	2255.3
57.5°	1609.6	1591.6	1537.5	1540.5	1624.6	1645.6	1621.6	1618.6	1636.6	1642.6	1675.7
60°	1084.1	1081.1	1033.0	1030.0	1063.1	1120.1	1093.1	1093.1	1099.1	1108.1	1117.1
62.5°	741.7	747.7	729.7	726.7	732.7	780.8	777.8	774.8	771.8	783.8	780.8
65°	582.6	585.6	579.6	579.6	582.6	603.6	624.6	627.6	630.6	633.6	630.6
67.5°	468.5	471.5	465.5	471.5	471.5	474.5	504.5	516.5	519.5	519.5	516.5
70°	360.4	372.4	378.4	378.4	378.4	378.4	399.4	414.4	411.4	393.4	375.4
72.5°	180.2	219.2	303.3	306.3	303.3	300.3	312.3	327.3	324.3	228.2	171.2
75°	120.1	129.1	237.2	249.2	246.2	234.2	246.2	264.3	258.3	147.1	141.1
77.5°	69.1	75.1	159.2	183.2	198.2	171.2	195.2	213.2	204.2	120.1	117.1
80°	54.1	51.1	114.1	141.1	135.1	108.1	159.2	171.2	156.2	90.1	81.1
82.5°	33.0	33.0	75.1	108.1	99.1	63.1	111.1	132.1	117.1	66.1	60.1
85°	18.0	21.0	36.0	54.1	57.1	42.0	60.1	72.1	72.1	42.0	42.0
87.5°	9.0	9.0	12.0	12.0	15.0	18.0	18.0	21.0	15.0	12.0	12.0
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)