

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: P524086

Luminaire Tested: **IFLD-M-SA4A-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524086
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

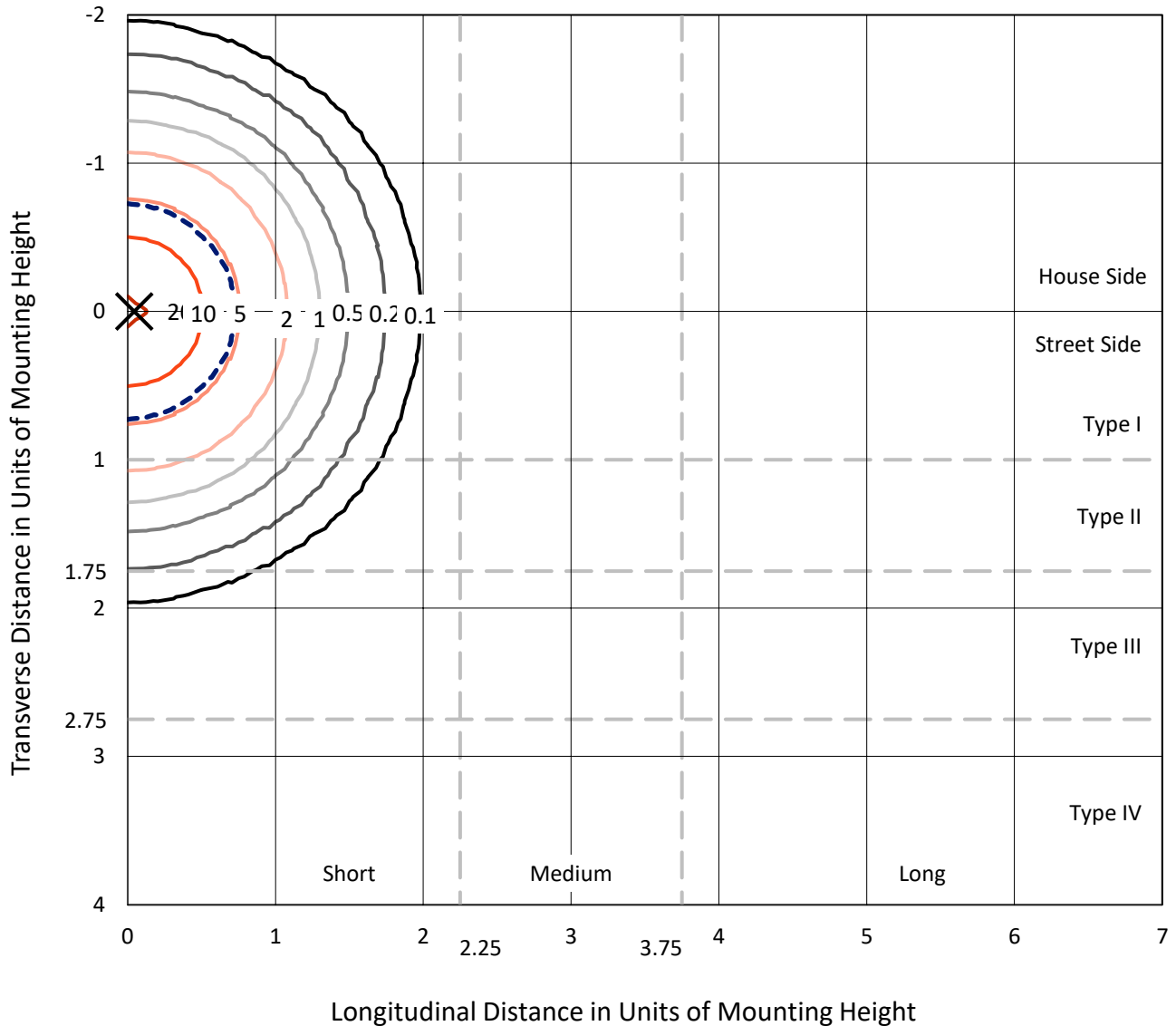
Lumens per Lamp: N/A
Luminaire Lumens: 12130.3 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 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

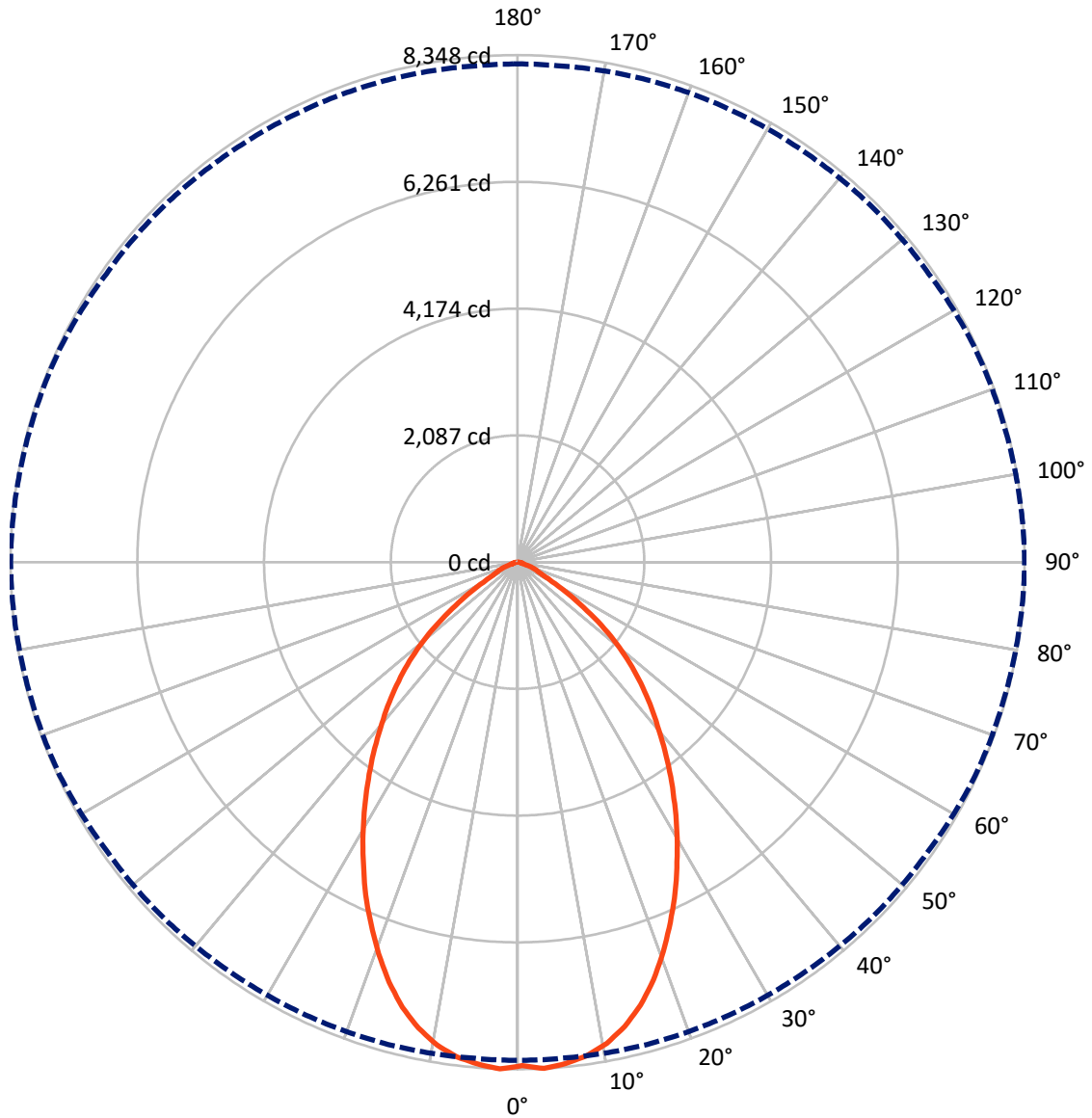
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20.7 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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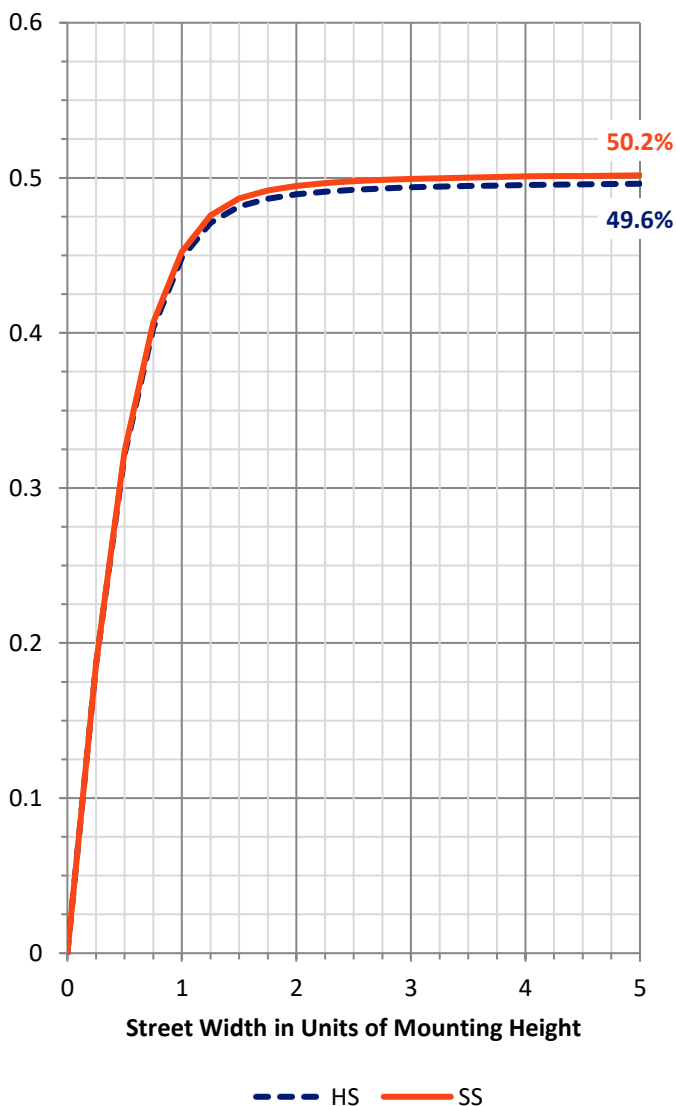
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6065.2	0.0	6065.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6065.2	0.0	6065.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12130.3	0.0	12130.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.4	6.4
10°-20°	2091.5	17.2
20°-30°	2706.0	22.3
30°-40°	2668.7	22.0
40°-50°	2159.1	17.8
50°-60°	1175.6	9.7
60°-70°	372.5	3.1
70°-80°	144.1	1.2
80°-90°	34.5	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°	12130.3	100.0
0°-180°	12130.3	100.0

Coefficient of Utilization



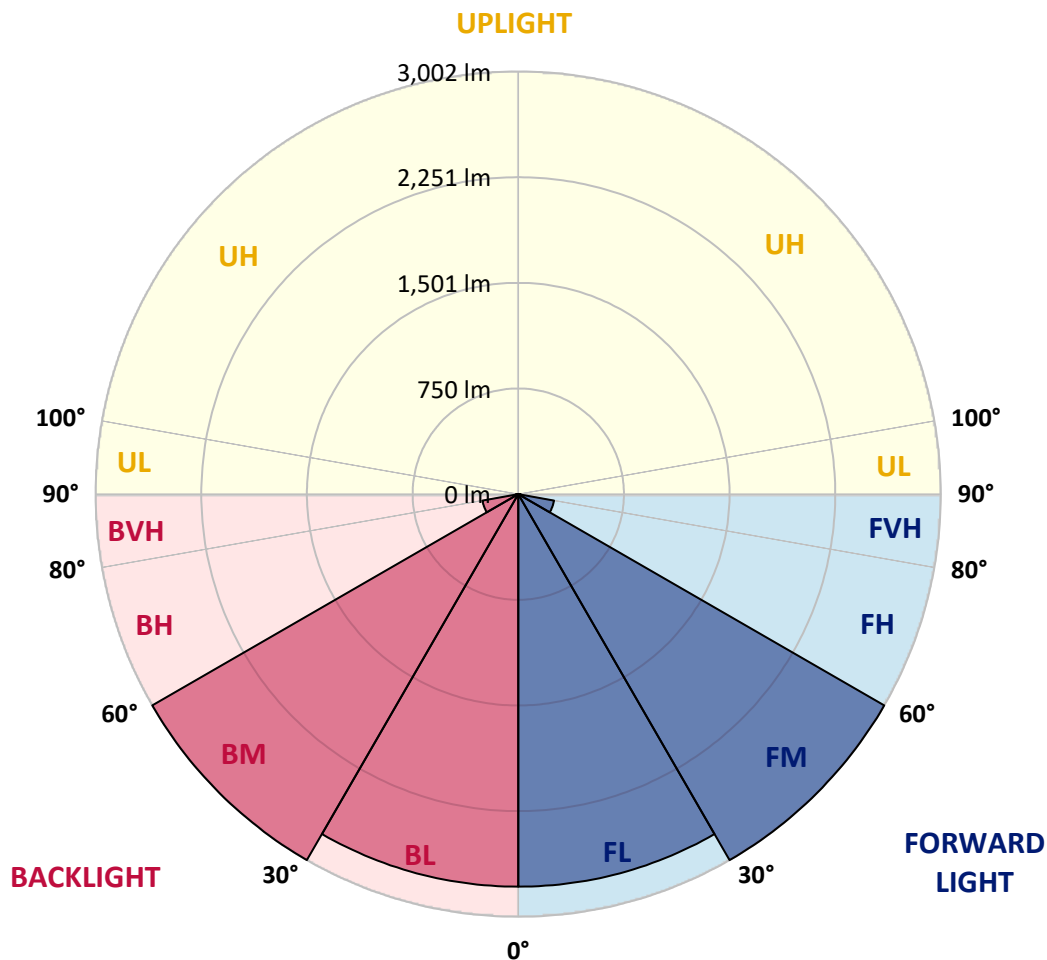
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2787.9	23.0			
FM (30°-60°)	3001.7	24.7			
FH (60°-80°)	258.3	2.1			G0/660
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	2787.9	23.0	B4/5000		
BM (30°-60°)	3001.7	24.7	B3/5000		
BH (60°-80°)	258.3	2.1	B1/500		G0/660
BVH (80°-90°)	17.2	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°	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4	8291.4
2.5°	8202.0	8200.3	8221.3	8230.1	8240.6	8261.6	8268.6	8314.2	8319.5	8337.0	8347.5
5°	8188.0	8181.0	8202.0	8205.5	8217.8	8221.3	8231.8	8263.4	8259.9	8286.2	8291.4
7.5°	8112.6	8103.9	8121.4	8124.9	8142.4	8137.2	8154.7	8177.5	8177.5	8196.8	8205.5
10°	7944.4	7942.6	7960.2	7961.9	7986.5	7981.2	8009.2	8014.5	8028.5	8042.5	8058.3
12.5°	7742.9	7720.1	7742.9	7734.1	7767.4	7748.1	7786.7	7798.9	7805.9	7830.5	7842.8
15°	7483.5	7455.4	7471.2	7462.4	7483.5	7458.9	7499.2	7523.8	7532.5	7557.1	7569.4
17.5°	7136.5	7113.7	7117.2	7104.9	7118.9	7099.7	7138.2	7176.8	7189.0	7215.3	7232.9
20°	6700.1	6700.1	6701.8	6691.3	6703.6	6684.3	6708.8	6768.4	6780.7	6815.7	6845.5
22.5°	6274.2	6274.2	6279.5	6265.4	6268.9	6260.2	6286.5	6344.3	6363.6	6400.4	6437.2
25°	5865.9	5858.8	5862.3	5850.1	5836.1	5839.6	5871.1	5907.9	5950.0	5997.3	6025.3
27.5°	5476.8	5485.5	5464.5	5455.8	5445.2	5426.0	5462.8	5508.3	5538.1	5576.7	5590.7
30°	5061.4	5078.9	5063.2	5056.2	5029.9	5005.3	5043.9	5089.5	5119.3	5156.1	5171.8
32.5°	4691.6	4686.4	4672.4	4656.6	4630.3	4611.0	4626.8	4679.4	4702.1	4740.7	4746.0
35°	4295.5	4292.0	4283.3	4251.7	4243.0	4220.2	4234.2	4279.8	4297.3	4320.1	4337.6
37.5°	3908.2	3896.0	3892.5	3880.2	3864.4	3859.2	3859.2	3883.7	3901.2	3924.0	3941.5
40°	3524.4	3527.9	3517.4	3506.9	3501.6	3494.6	3496.4	3510.4	3524.4	3534.9	3545.4
42.5°	3177.4	3158.1	3151.1	3140.6	3145.9	3154.6	3135.3	3156.4	3173.9	3173.9	3196.7
45°	2779.6	2788.3	2791.8	2809.4	2809.4	2800.6	2793.6	2804.1	2821.6	2819.9	2842.7
47.5°	2432.6	2422.1	2430.8	2457.1	2479.9	2483.4	2462.4	2467.6	2472.9	2464.1	2485.1
50°	2052.3	2055.8	2054.0	2094.3	2139.9	2124.1	2108.3	2113.6	2111.8	2111.8	2115.4
52.5°	1638.7	1647.4	1636.9	1694.7	1743.8	1731.5	1721.0	1721.0	1729.8	1728.0	1726.3
55°	1261.9	1258.3	1235.6	1263.6	1307.4	1309.2	1293.4	1300.4	1309.2	1317.9	1316.2
57.5°	939.4	928.9	897.3	899.1	948.1	960.4	946.4	944.6	955.2	958.7	977.9
60°	632.7	630.9	602.9	601.1	620.4	653.7	637.9	637.9	641.4	646.7	652.0
62.5°	432.9	436.4	425.9	424.1	427.6	455.7	453.9	452.2	450.4	457.4	455.7
65°	340.0	341.8	338.2	338.2	340.0	352.3	364.5	366.3	368.0	369.8	368.0
67.5°	273.4	275.2	271.6	275.2	275.2	276.9	294.4	301.4	303.2	303.2	301.4
70°	210.3	217.3	220.8	220.8	220.8	220.8	233.1	241.9	240.1	229.6	219.1
72.5°	105.2	127.9	177.0	178.8	177.0	175.3	182.3	191.0	189.3	133.2	99.9
75°	70.1	75.4	138.5	145.5	143.7	136.7	143.7	154.2	150.7	85.9	82.4
77.5°	40.3	43.8	92.9	106.9	115.7	99.9	113.9	124.4	119.2	70.1	68.4
80°	31.5	29.8	66.6	82.4	78.9	63.1	92.9	99.9	91.1	52.6	47.3
82.5°	19.3	19.3	43.8	63.1	57.8	36.8	64.8	77.1	68.4	38.6	35.1
85°	10.5	12.3	21.0	31.5	33.3	24.5	35.1	42.1	42.1	24.5	24.5
87.5°	5.3	5.3	7.0	7.0	8.8	10.5	10.5	12.3	8.8	7.0	7.0
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)