

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: P524172

Luminaire Tested: **IFLD-L-SA7D-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524172  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

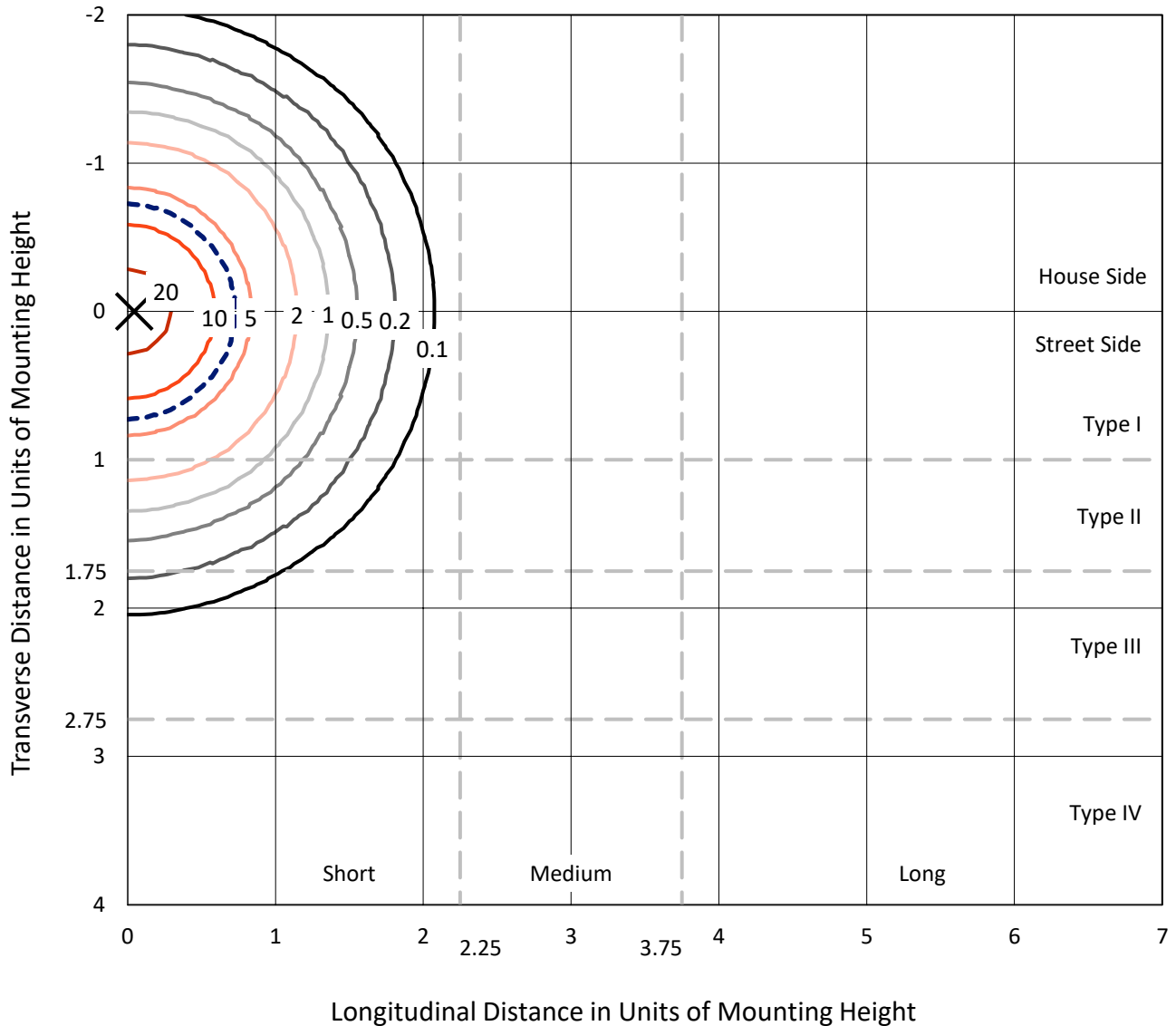
Lumens per Lamp: N/A  
Luminaire Lumens: 33605.9 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6  
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

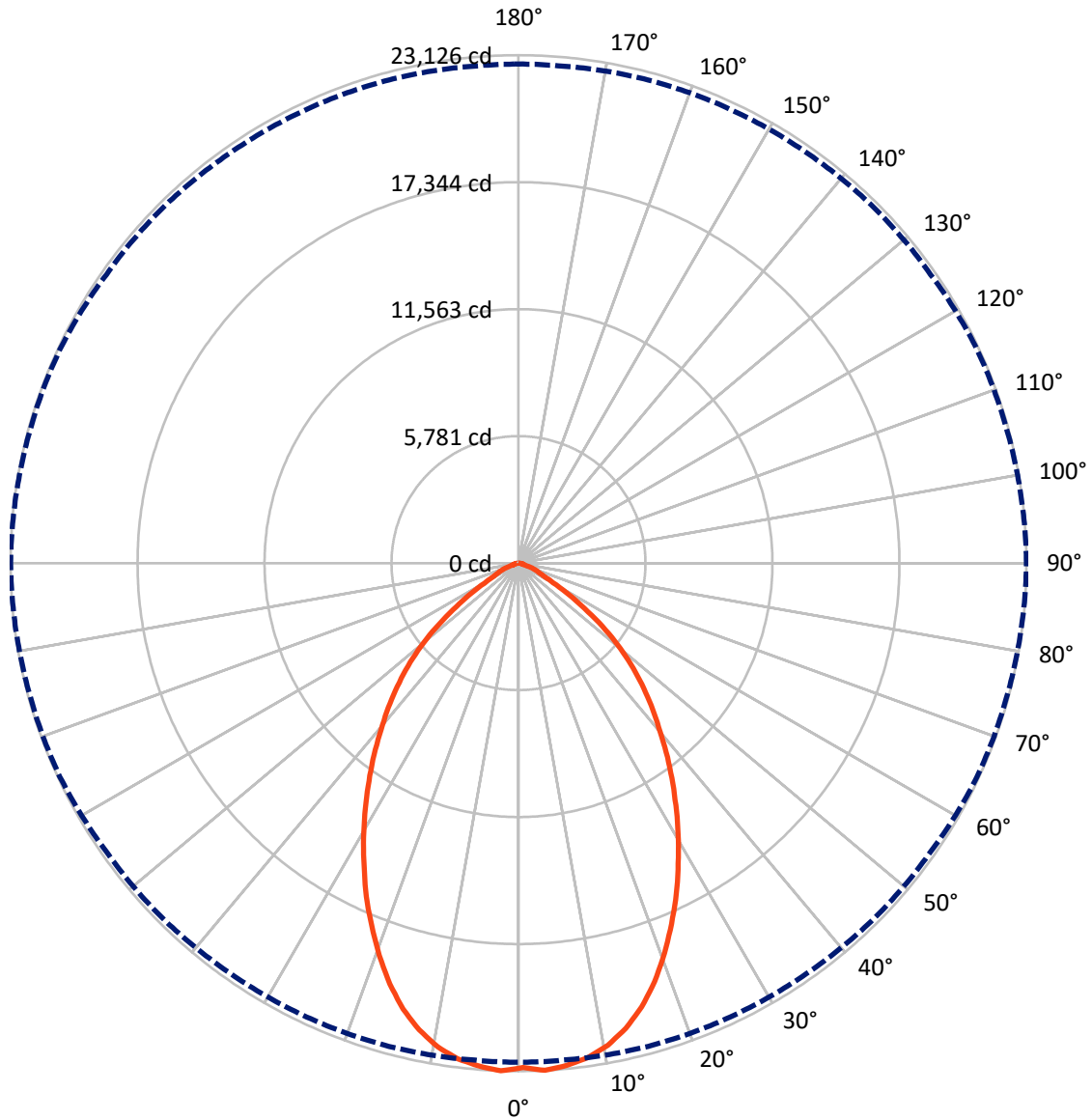
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 25.5 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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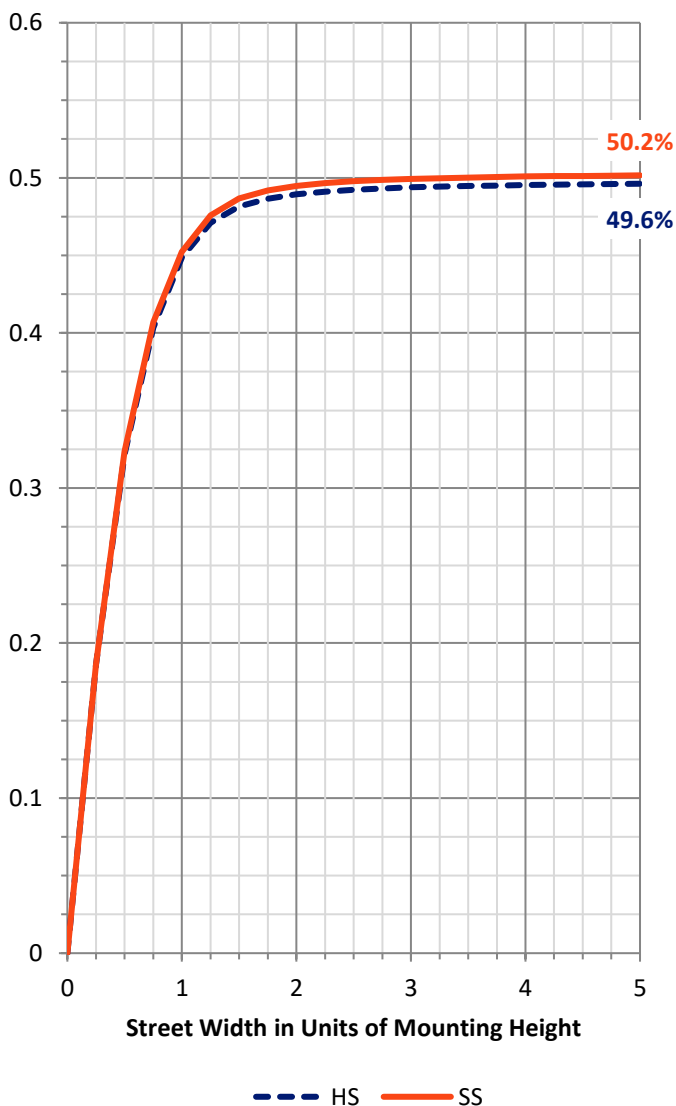
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16803.0	0.0	16803.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16803.0	0.0	16803.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33605.9	0.0	33605.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2156.4	6.4
10°-20°	5794.3	17.2
20°-30°	7496.6	22.3
30°-40°	7393.5	22.0
40°-50°	5981.7	17.8
50°-60°	3256.8	9.7
60°-70°	1031.9	3.1
70°-80°	399.3	1.2
80°-90°	95.4	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°	33605.9	100.0
0°-180°	33605.9	100.0

**Coefficient of Utilization**



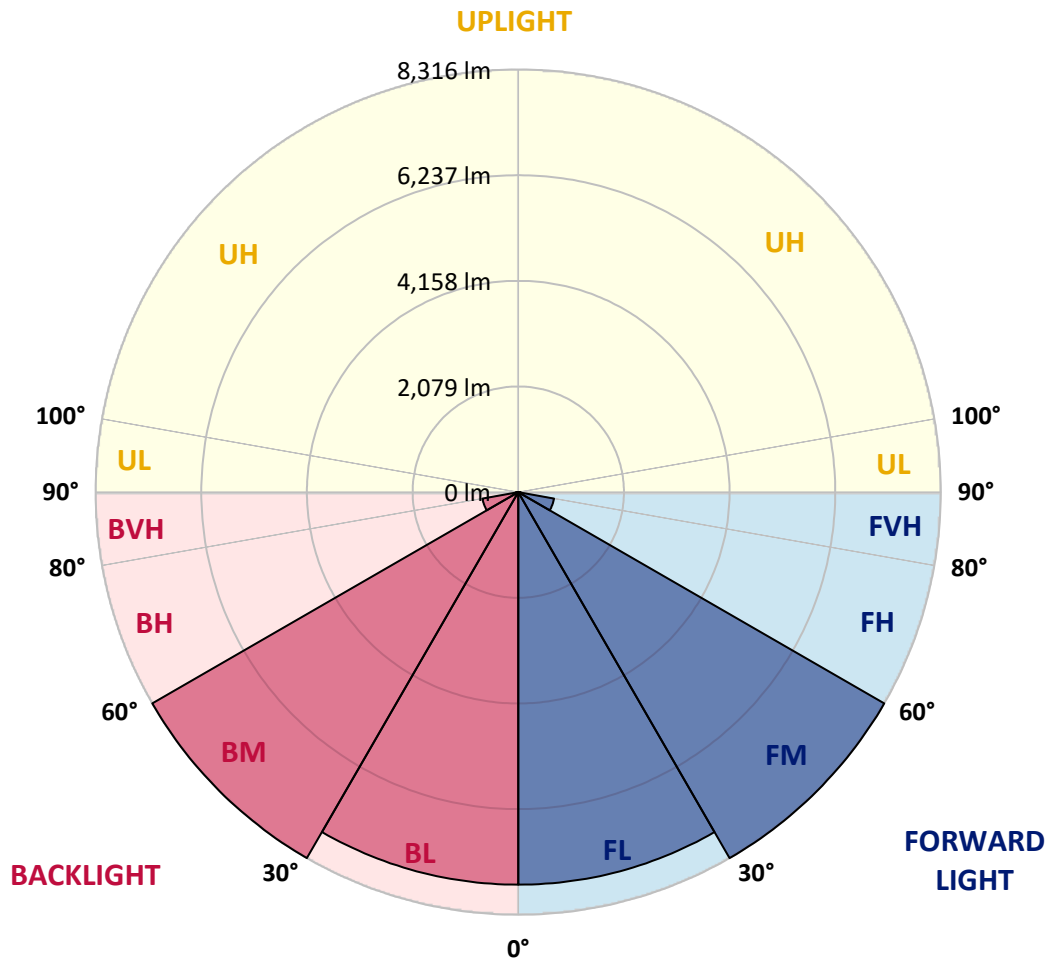
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7723.7	23.0			
FM (30°-60°)	8316.0	24.7			
FH (60°-80°)	715.6	2.1			G1/1800
FVH (80°-90°)	47.7	0.1			G1/100
BL (0°-30°)	7723.7	23.0	B5		
BM (30°-60°)	8316.0	24.7	B4/8500		
BH (60°-80°)	715.6	2.1	B2/1000		G1/1800
BVH (80°-90°)	47.7	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°	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6	22970.6
2.5°	22722.9	22718.1	22776.3	22800.6	22829.8	22888.0	22907.4	23033.7	23048.2	23096.8	23125.9
5°	22684.1	22664.7	22722.9	22732.6	22766.6	22776.3	22805.5	22892.9	22883.2	22956.0	22970.6
7.5°	22475.3	22451.0	22499.6	22509.3	22557.9	22543.3	22591.8	22655.0	22655.0	22708.4	22732.6
10°	22009.2	22004.3	22052.9	22057.8	22125.7	22111.2	22188.8	22203.4	22242.3	22281.1	22324.8
12.5°	21450.8	21387.7	21450.8	21426.6	21518.8	21465.4	21572.2	21606.2	21625.6	21693.6	21727.6
15°	20732.2	20654.6	20698.3	20674.0	20732.2	20664.3	20775.9	20843.9	20868.2	20936.2	20970.2
17.5°	19770.9	19707.8	19717.5	19683.5	19722.3	19668.9	19775.7	19882.6	19916.6	19989.4	20037.9
20°	18561.9	18561.9	18566.8	18537.6	18571.6	18518.2	18586.2	18751.3	18785.3	18882.4	18964.9
22.5°	17382.1	17382.1	17396.6	17357.8	17367.5	17343.2	17416.1	17576.3	17629.7	17731.7	17833.6
25°	16250.8	16231.4	16241.1	16207.1	16168.2	16178.0	16265.3	16367.3	16483.8	16614.9	16692.6
27.5°	15172.9	15197.2	15138.9	15114.6	15085.5	15032.1	15134.1	15260.3	15342.8	15449.7	15488.5
30°	14022.2	14070.7	14027.0	14007.6	13934.8	13866.8	13973.6	14099.9	14182.4	14284.4	14328.1
32.5°	12997.7	12983.1	12944.3	12900.6	12827.8	12774.4	12818.1	12963.7	13026.8	13133.7	13148.2
35°	11900.4	11890.7	11866.4	11779.0	11754.7	11691.6	11730.5	11856.7	11905.3	11968.4	12016.9
37.5°	10827.4	10793.4	10783.7	10749.7	10706.0	10691.4	10691.4	10759.4	10808.0	10871.1	10919.6
40°	9764.1	9773.8	9744.6	9715.5	9700.9	9681.5	9686.4	9725.2	9764.1	9793.2	9822.3
42.5°	8802.7	8749.3	8729.9	8700.7	8715.3	8739.6	8686.2	8744.4	8793.0	8793.0	8856.1
45°	7700.5	7724.8	7734.5	7783.1	7783.1	7758.8	7739.4	7768.5	7817.1	7812.2	7875.3
47.5°	6739.2	6710.1	6734.3	6807.2	6870.3	6880.0	6821.7	6836.3	6850.9	6826.6	6884.9
50°	5685.6	5695.3	5690.4	5802.1	5928.4	5884.7	5841.0	5855.5	5850.7	5850.7	5860.4
52.5°	4539.7	4564.0	4534.9	4695.1	4831.1	4797.1	4767.9	4767.9	4792.2	4787.4	4782.5
55°	3495.8	3486.1	3423.0	3500.7	3622.1	3626.9	3583.2	3602.7	3626.9	3651.2	3646.4
57.5°	2602.5	2573.3	2485.9	2490.8	2626.7	2660.7	2621.9	2617.0	2646.2	2655.9	2709.3
60°	1752.8	1747.9	1670.2	1665.4	1718.8	1811.0	1767.3	1767.3	1777.0	1791.6	1806.2
62.5°	1199.3	1209.0	1179.8	1175.0	1184.7	1262.4	1257.5	1252.7	1247.8	1267.2	1262.4
65°	941.9	946.8	937.1	937.1	941.9	975.9	1009.9	1014.8	1019.6	1024.5	1019.6
67.5°	757.4	762.3	752.6	762.3	762.3	767.1	815.7	835.1	840.0	840.0	835.1
70°	582.6	602.1	611.8	611.8	611.8	611.8	645.8	670.0	665.2	636.0	606.9
72.5°	291.3	354.4	490.4	495.2	490.4	485.5	505.0	529.2	524.4	369.0	276.8
75°	194.2	208.8	383.6	403.0	398.1	378.7	398.1	427.3	417.6	237.9	228.2
77.5°	111.7	121.4	257.3	296.2	320.5	276.8	315.6	344.7	330.2	194.2	189.4
80°	87.4	82.5	184.5	228.2	218.5	174.8	257.3	276.8	252.5	145.7	131.1
82.5°	53.4	53.4	121.4	174.8	160.2	102.0	179.6	213.6	189.4	106.8	97.1
85°	29.1	34.0	58.3	87.4	92.3	68.0	97.1	116.5	116.5	68.0	68.0
87.5°	14.6	14.6	19.4	19.4	24.3	29.1	29.1	34.0	24.3	19.4	19.4
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)