

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: P525342

Luminaire Tested: **IFLD-L-SA7D-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525342
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-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

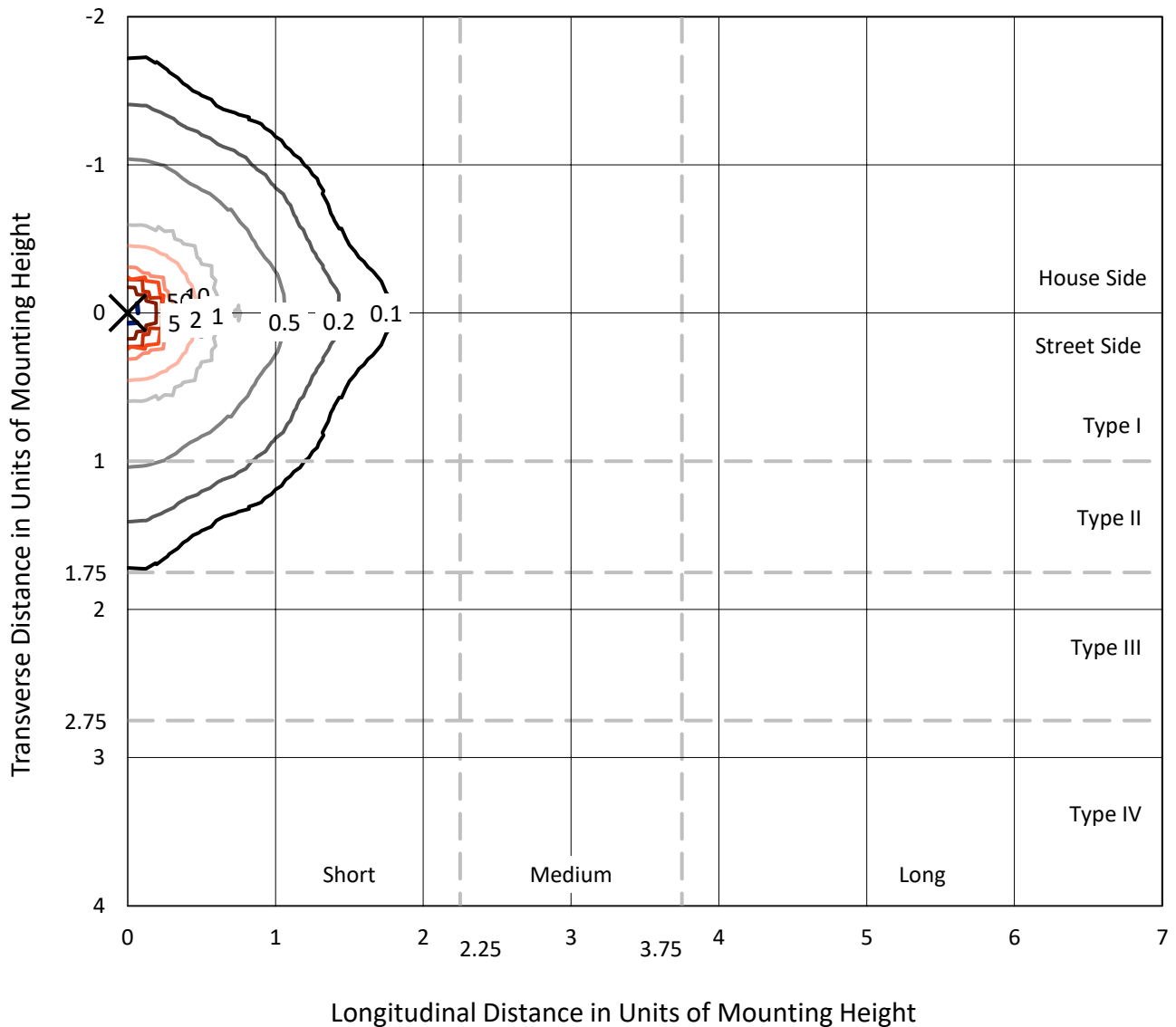
Lumens per Lamp: N/A
Luminaire Lumens: 18690.7 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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

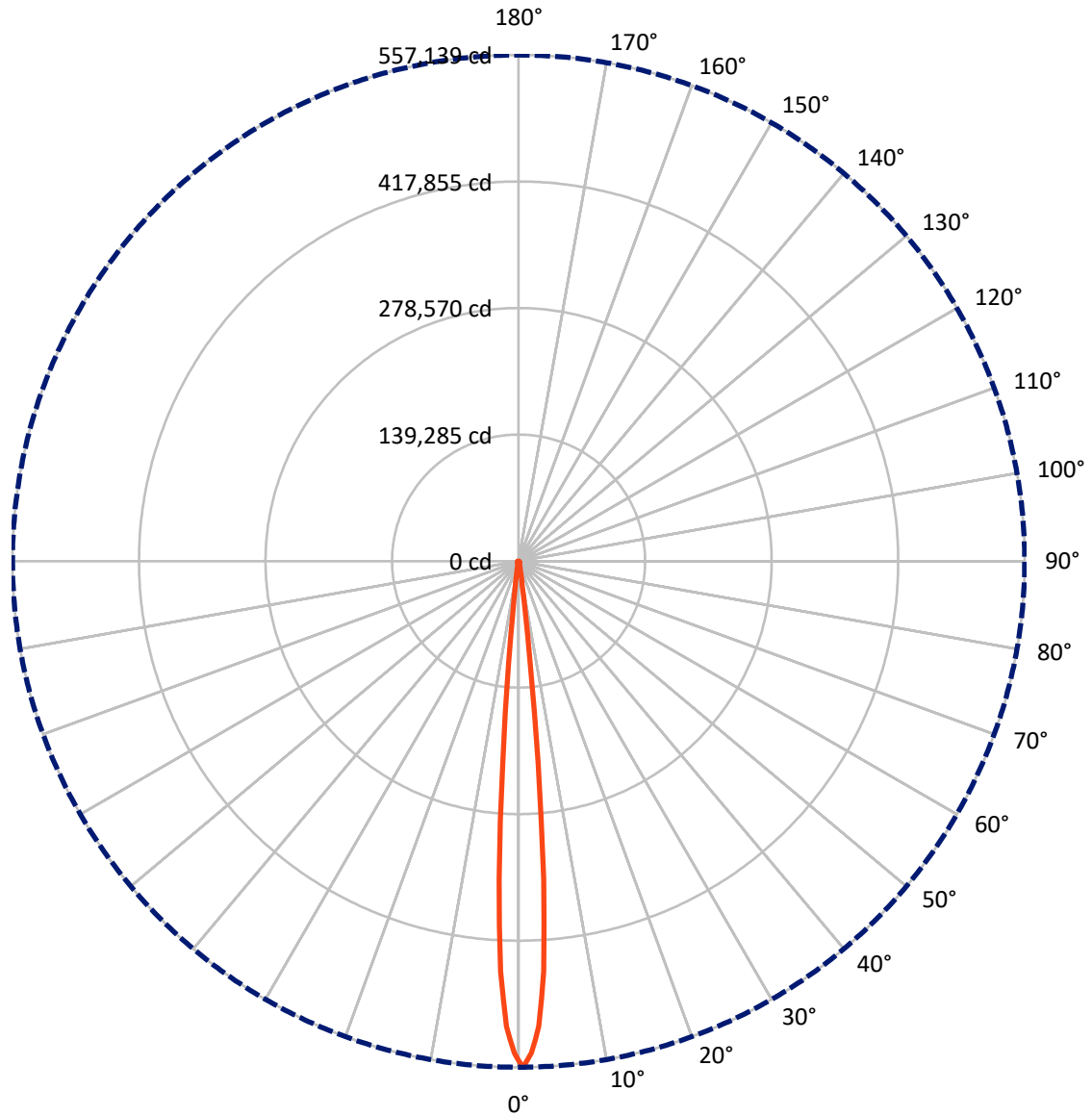
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 891.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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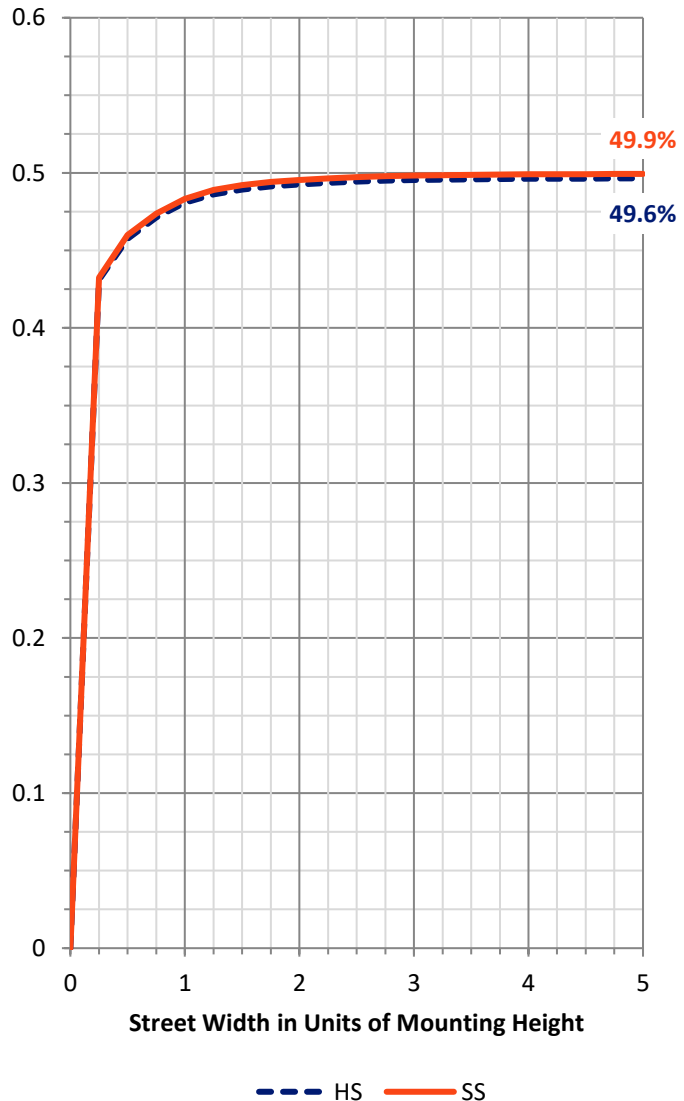
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9345.4	0.0	9345.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9345.4	0.0	9345.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18690.7	0.0	18690.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14354.4	76.8
10°-20°	1400.1	7.5
20°-30°	748.0	4.0
30°-40°	616.9	3.3
40°-50°	686.9	3.7
50°-60°	461.9	2.5
60°-70°	294.8	1.6
70°-80°	116.4	0.6
80°-90°	11.4	0.1
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°	18690.7	100.0
0°-180°	18690.7	100.0

Coefficient of Utilization

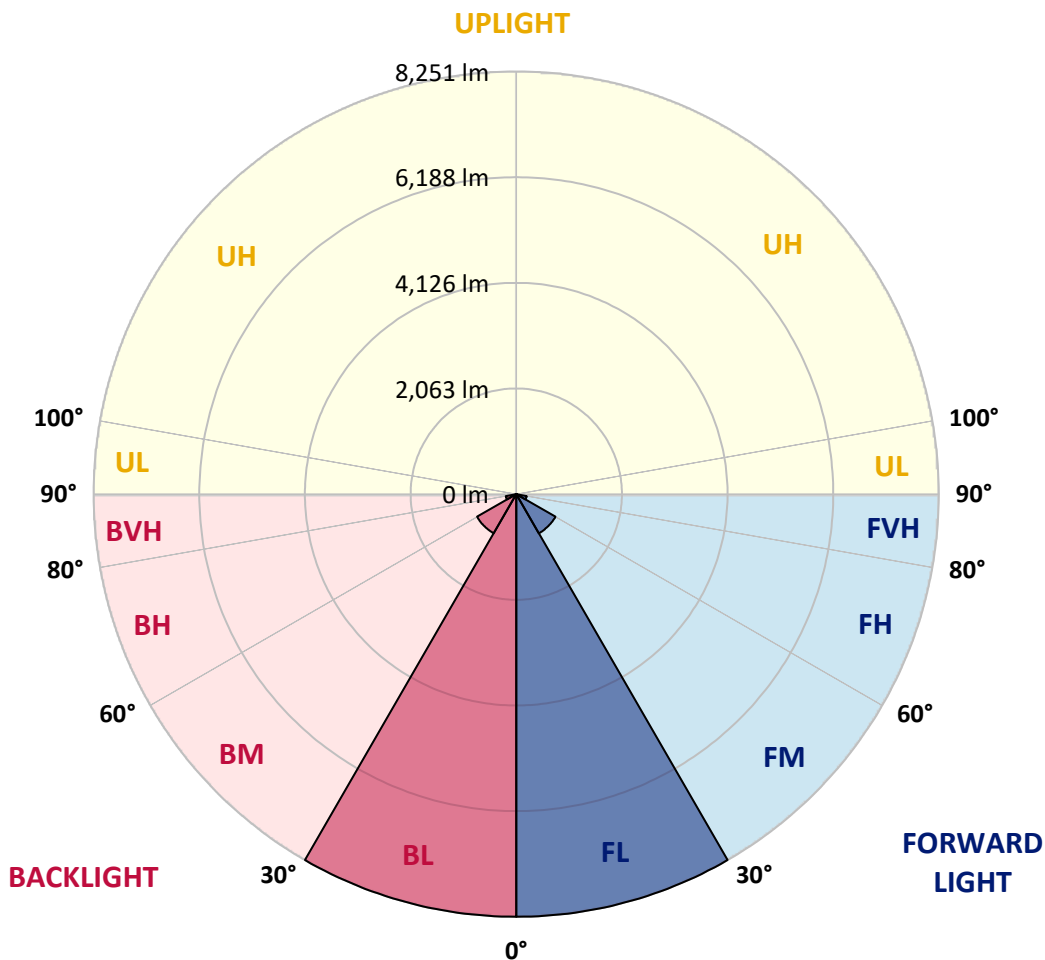


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8251.2	44.1			
FM (30°-60°)	882.9	4.7			
FH (60°-80°)	205.6	1.1			G0/660
FVH (80°-90°)	5.7	0.0			G0/10
BL (0°-30°)	8251.2	44.1	B5		
BM (30°-60°)	882.9	4.7	B1/1000		
BH (60°-80°)	205.6	1.1	B1/500		G0/660
BVH (80°-90°)	5.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	557139.4	557139.4	557139.4	557139.4	557139.4	557139.4	557139.4	557139.4	557139.4	557139.4
1°	541655.0	542597.0	542766.9	541645.3	538785.3	539460.2	539372.8	539523.4	539241.7	537454.9
2°	512327.2	513720.8	512254.4	509108.0	502591.8	501038.0	495847.4	490054.7	483888.1	477706.9
3°	452462.7	455395.5	453302.8	456662.8	443445.9	442110.6	431195.3	416803.3	402217.2	390398.7
4°	350811.1	356229.9	356948.6	368038.7	357181.6	360575.7	348106.5	328111.2	306290.2	289596.7
5°	223614.2	231169.5	235432.7	245833.4	250834.6	263857.3	257783.0	237714.8	212499.8	193295.9
6°	112984.6	117097.3	128551.6	139986.5	152756.7	170037.7	172378.1	154762.0	134693.9	116262.1
7°	52668.5	54368.0	62447.7	64885.2	79485.9	98233.3	100855.3	91197.6	80612.4	66327.3
8°	27215.5	27875.9	30828.1	32639.2	41155.9	51940.2	53780.4	47701.3	43370.1	36183.8
9°	16761.5	17052.8	18159.9	18567.8	21753.0	26550.3	27201.0	24656.7	23481.6	21000.4
10°	11624.3	11779.6	12299.2	12406.0	13469.4	15047.5	15105.7	14270.6	14290.0	13668.5
12.5°	6195.7	6244.3	6389.9	6404.5	6608.4	6773.5	6734.7	6739.6	6822.1	6739.6
15°	3962.2	3986.4	4073.8	4093.3	4200.1	4258.3	4229.2	4224.4	4253.5	4200.1
17.5°	2825.9	2840.5	2903.6	2957.1	3025.0	3044.5	3034.7	3025.0	3025.0	2976.5
20°	2204.4	2223.9	2267.6	2321.0	2355.0	2388.9	2393.8	2388.9	2374.4	2350.1
22.5°	1874.3	1884.0	1898.5	1922.8	1947.1	1961.7	1971.4	1976.2	1971.4	1961.7
25°	1631.5	1641.2	1670.3	1684.9	1684.9	1689.7	1709.2	1718.9	1723.7	1704.3
27.5°	1204.2	1228.5	1272.2	1296.4	1296.4	1306.2	1320.7	1340.1	1359.6	1325.6
30°	932.3	951.7	1000.3	1000.3	995.4	1005.1	1019.7	1048.8	1077.9	1039.1
32.5°	840.0	840.0	849.7	854.6	854.6	869.1	878.9	903.1	927.4	917.7
35°	878.9	854.6	825.4	825.4	835.2	864.3	869.1	893.4	917.7	951.7
37.5°	1277.0	1204.2	1097.4	1077.9	1077.9	1111.9	1097.4	1111.9	1155.6	1281.9
40°	1160.5	1102.2	1039.1	951.7	951.7	1000.3	966.3	985.7	1087.7	1165.3
42.5°	1034.2	1034.2	966.3	883.7	883.7	908.0	898.3	908.0	1024.5	1087.7
45°	956.6	956.6	937.1	806.0	825.4	840.0	840.0	840.0	995.4	1014.8
47.5°	912.8	912.8	864.3	742.9	767.2	772.0	781.7	772.0	893.4	961.4
50°	815.7	825.4	742.9	655.5	684.6	684.6	699.2	679.8	772.0	883.7
52.5°	704.1	713.8	587.5	519.5	553.5	548.7	568.1	539.0	611.8	767.2
55°	626.4	621.5	485.6	422.4	461.3	456.4	466.1	432.1	495.3	660.4
57.5°	543.8	553.5	398.2	344.7	388.4	378.7	393.3	354.5	407.9	587.5
60°	480.7	495.3	339.9	291.3	335.0	325.3	339.9	296.2	349.6	529.3
62.5°	461.3	461.3	301.0	247.6	291.3	281.6	291.3	247.6	310.8	485.6
65°	548.7	519.5	271.9	203.9	247.6	237.9	247.6	203.9	271.9	466.1
67.5°	728.3	694.3	257.3	160.2	199.1	184.5	199.1	165.1	237.9	437.0
70°	378.7	403.0	257.3	126.2	150.5	150.5	145.7	126.2	199.1	320.5
72.5°	218.5	223.4	199.1	97.1	116.5	126.2	111.7	97.1	145.7	237.9
75°	121.4	136.0	126.2	72.8	87.4	97.1	82.5	72.8	102.0	169.9
77.5°	72.8	82.5	72.8	48.6	58.3	53.4	58.3	48.6	68.0	111.7
80°	38.8	38.8	38.8	29.1	29.1	34.0	34.0	29.1	38.8	58.3
82.5°	14.6	14.6	14.6	9.7	14.6	14.6	14.6	19.4	19.4	24.3
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	0.0	0.0	0.0	0.0	0.0	4.9	4.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

557139.4

- 539217.5
- 481266.1
- 394880.4
- 293466.6
- 195757.7
- 117641.1
- 68055.9
- 37159.8
- 21539.4
- 13954.9
- 6831.8
- 4238.9
- 2991.0
- 2355.0
- 1966.5
- 1704.3
- 1320.7
- 1029.4
- 917.7
- 971.1
- 1345.0
- 1238.2
- 1092.5
- 1010.0
- 946.8
- 874.0
- 747.8
- 650.6
- 573.0
- 514.7
- 480.7
- 466.1
- 432.1
- 315.6
- 233.1
- 150.5
- 82.5
- 48.6
- 24.3
- 4.9
- 4.9
- 0.0

OF REPORT)