

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: P636194

Luminaire Tested: **IFLD-S-SA3D-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636194
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14810 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

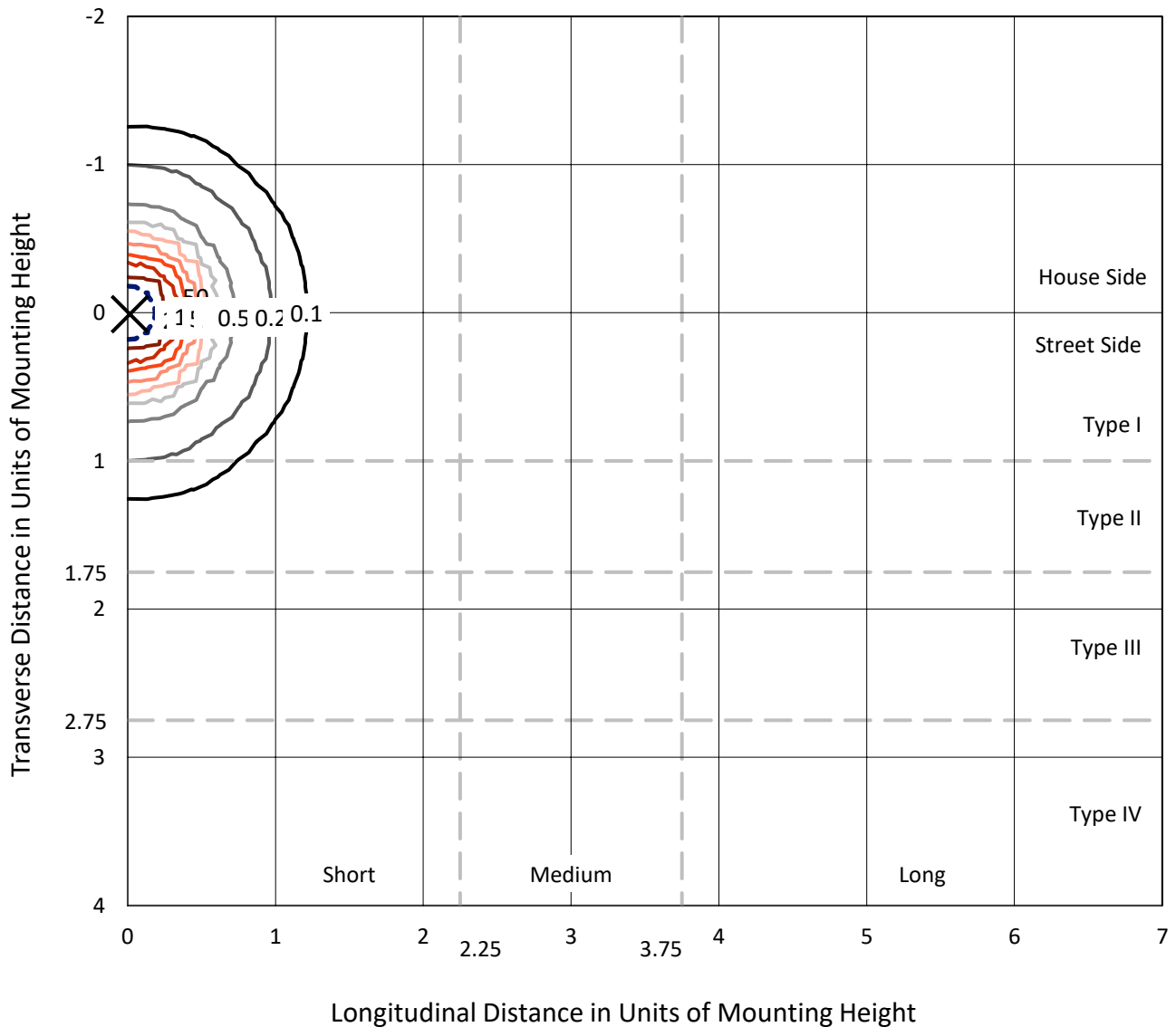
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

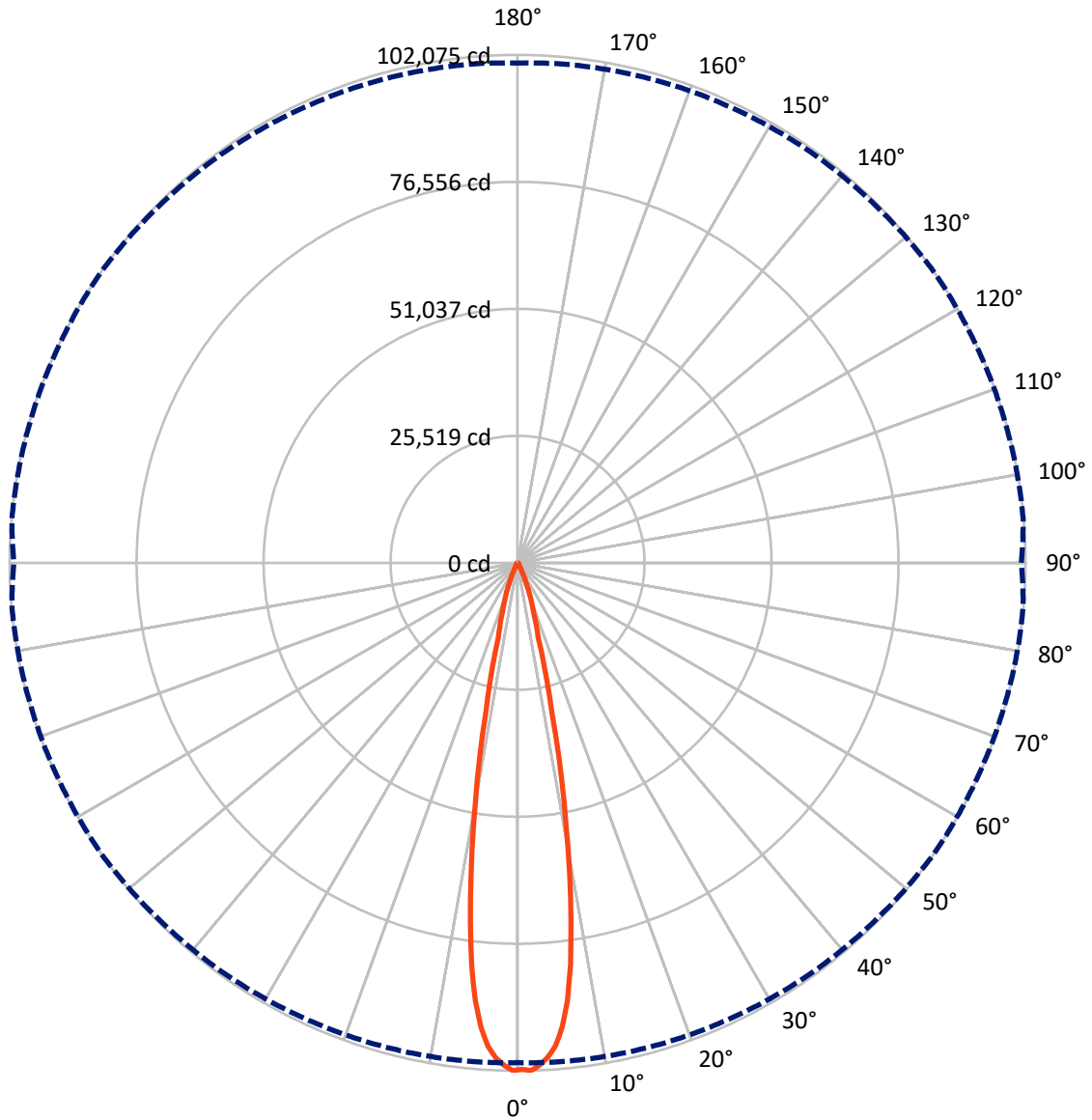
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 254.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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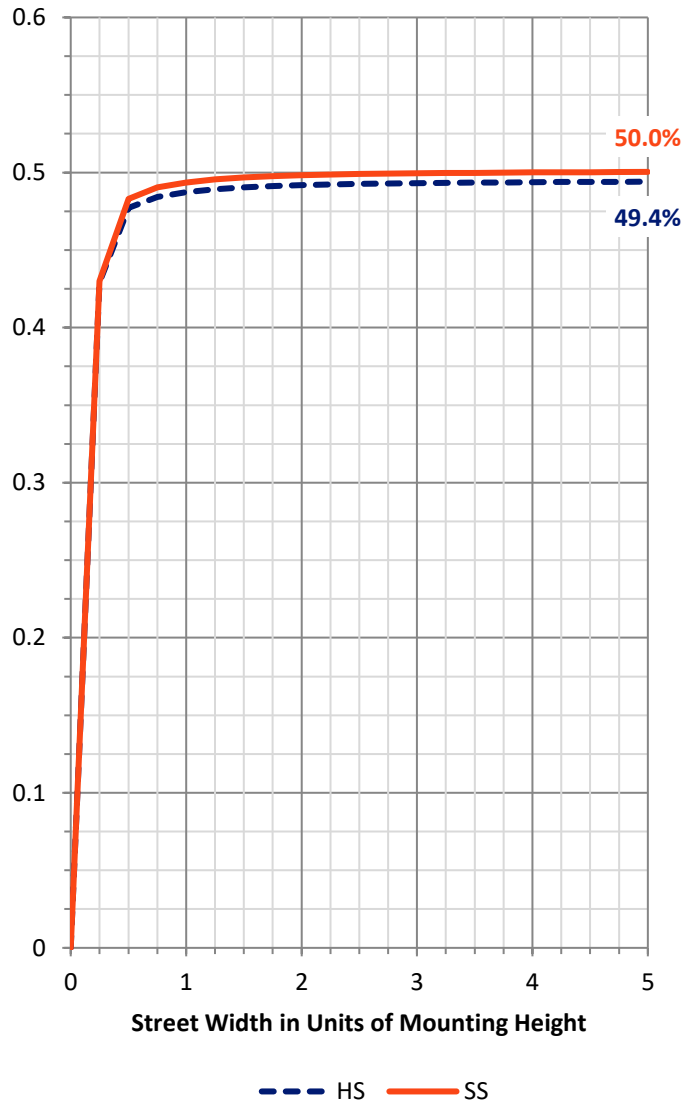
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7405.0	0.0	7405.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7405.0	0.0	7405.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14810.0	0.0	14810.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7524.6	50.8
10°-20°	5332.7	36.0
20°-30°	1249.6	8.4
30°-40°	261.2	1.8
40°-50°	168.5	1.1
50°-60°	124.8	0.8
60°-70°	84.8	0.6
70°-80°	45.3	0.3
80°-90°	18.6	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°	14810.0	100.0
0°-180°	14810.0	100.0

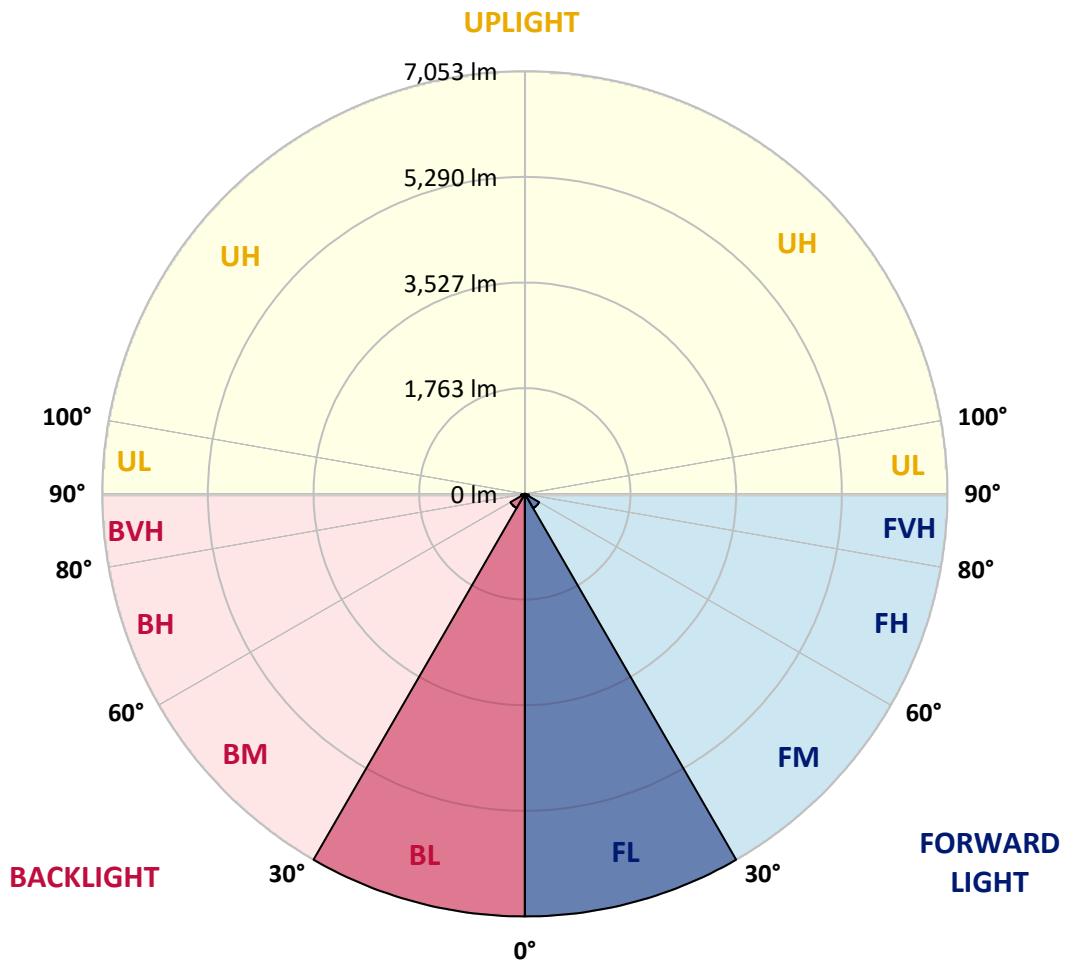


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7053.4	47.6			
FM (30°-60°)	277.2	1.9			
FH (60°-80°)	65.0	0.4			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	7053.4	47.6	B5		
BM (30°-60°)	277.2	1.9	B1/1000		
BH (60°-80°)	65.0	0.4	B0/110		G0/660
BVH (80°-90°)	9.3	0.1			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°	101813.0	101813.0	101813.0	101813.0	101813.0	101813.0	101813.0	101813.0	101813.0	101813.0
1°	100443.2	100629.1	100857.0	101063.9	101375.6	101629.6	102074.9	101980.6	101967.5	101985.8
2°	98497.2	98730.3	99081.2	99288.2	100092.2	100422.2	101095.3	101294.4	101134.6	101315.3
3°	95582.1	95773.3	96323.3	96729.3	97771.7	98662.2	99563.2	99861.7	99675.8	99759.6
4°	92111.8	92308.2	92973.5	93801.1	95307.1	96294.5	97373.6	97640.7	97033.1	97075.0
5°	87981.4	88073.1	88887.6	89641.9	91443.9	92640.8	93664.9	93748.7	93193.5	92981.3
6°	83335.1	83170.1	83919.2	84238.7	86478.0	87698.6	88447.6	88350.7	87929.0	87748.3
7°	77814.0	77588.8	78193.8	78020.9	80003.6	80700.3	81420.5	81090.5	80755.3	81171.7
8°	71426.0	71300.3	70910.0	71617.2	72010.0	72633.4	72630.8	72439.6	72429.1	73123.2
9°	62138.6	63298.8	62955.7	63697.0	63597.4	63568.6	63377.4	63254.3	62730.5	63529.3
10°	51939.7	52699.3	53278.1	54383.4	54168.6	54472.4	53409.1	53589.8	53241.4	53901.5
12.5°	26885.2	27739.1	28239.3	29082.7	30009.9	30958.0	30651.5	30334.6	29860.6	30442.0
15°	13234.4	13572.3	13732.0	14588.5	15248.5	15486.8	15523.5	15243.3	15122.8	15248.5
17.5°	8121.9	8239.7	8703.3	9688.1	10259.1	10400.5	10308.8	10002.4	9659.3	9515.3
20°	5879.9	5914.0	6089.4	6280.6	7042.8	7440.9	7294.2	6993.0	6676.1	6526.8
22.5°	3839.6	3873.7	3931.3	4036.1	4240.4	4732.7	4573.0	4368.7	4153.9	4109.4
25°	2173.9	2173.9	2234.1	2341.5	2493.4	2530.1	2561.5	2344.1	2244.6	2200.1
27.5°	1212.7	1220.5	1233.6	1275.5	1351.5	1343.6	1309.6	1251.9	1183.8	1113.1
30°	670.5	678.4	686.2	696.7	709.8	686.2	665.3	654.8	626.0	618.1
32.5°	502.9	502.9	508.1	505.5	492.4	463.6	450.5	466.2	463.6	450.5
35°	413.8	413.8	419.1	429.5	403.3	382.4	371.9	392.9	392.9	385.0
37.5°	337.9	340.5	343.1	356.2	348.3	324.8	322.2	327.4	330.0	327.4
40°	296.0	293.3	293.3	296.0	290.7	285.5	280.2	277.6	280.2	277.6
42.5°	256.7	254.1	259.3	254.1	243.6	246.2	246.2	238.3	241.0	235.7
45°	225.2	222.6	225.2	220.0	212.1	214.8	214.8	204.3	204.3	201.7
47.5°	199.1	199.1	199.1	201.7	188.6	186.0	188.6	186.0	178.1	175.5
50°	172.9	175.5	178.1	183.3	170.2	165.0	165.0	165.0	159.8	157.1
52.5°	159.8	162.4	162.4	162.4	154.5	149.3	149.3	146.7	144.1	141.4
55°	154.5	154.5	154.5	144.1	141.4	138.8	131.0	128.3	125.7	125.7
57.5°	146.7	146.7	144.1	136.2	128.3	128.3	117.9	115.2	112.6	112.6
60°	131.0	131.0	131.0	128.3	117.9	115.2	104.8	99.5	96.9	96.9
62.5°	120.5	120.5	120.5	110.0	107.4	99.5	91.7	83.8	81.2	76.0
65°	110.0	110.0	110.0	99.5	94.3	86.4	76.0	68.1	62.9	55.0
67.5°	102.1	102.1	99.5	91.7	83.8	73.3	62.9	55.0	44.5	39.3
70°	89.1	89.1	86.4	81.2	73.3	65.5	52.4	41.9	34.0	26.2
72.5°	76.0	76.0	73.3	68.1	62.9	55.0	44.5	36.7	23.6	18.3
75°	62.9	62.9	60.2	55.0	52.4	47.1	39.3	28.8	18.3	7.9
77.5°	52.4	52.4	49.8	47.1	44.5	39.3	34.0	23.6	13.1	5.2
80°	39.3	41.9	41.9	41.9	36.7	34.0	31.4	23.6	10.5	2.6
82.5°	28.8	31.4	31.4	31.4	28.8	26.2	28.8	21.0	10.5	2.6
85°	21.0	21.0	23.6	23.6	23.6	23.6	31.4	23.6	7.9	2.6
87.5°	10.5	10.5	10.5	10.5	10.5	13.1	15.7	13.1	5.2	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
101813.0
101255.1
100629.1
99131.0
96451.6
92538.7
87342.4
81043.4
71198.1
62039.1
52209.5
28867.9
14661.8
9313.6
6411.6
4017.7
2163.4
1115.7
618.1
442.6
382.4
327.4
280.2
238.3
201.7
175.5
154.5
138.8
123.1
112.6
94.3
70.7
55.0
36.7
26.2
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