

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: P525240

Luminaire Tested: **IFLD-S-SA3E-927-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525240  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (48) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

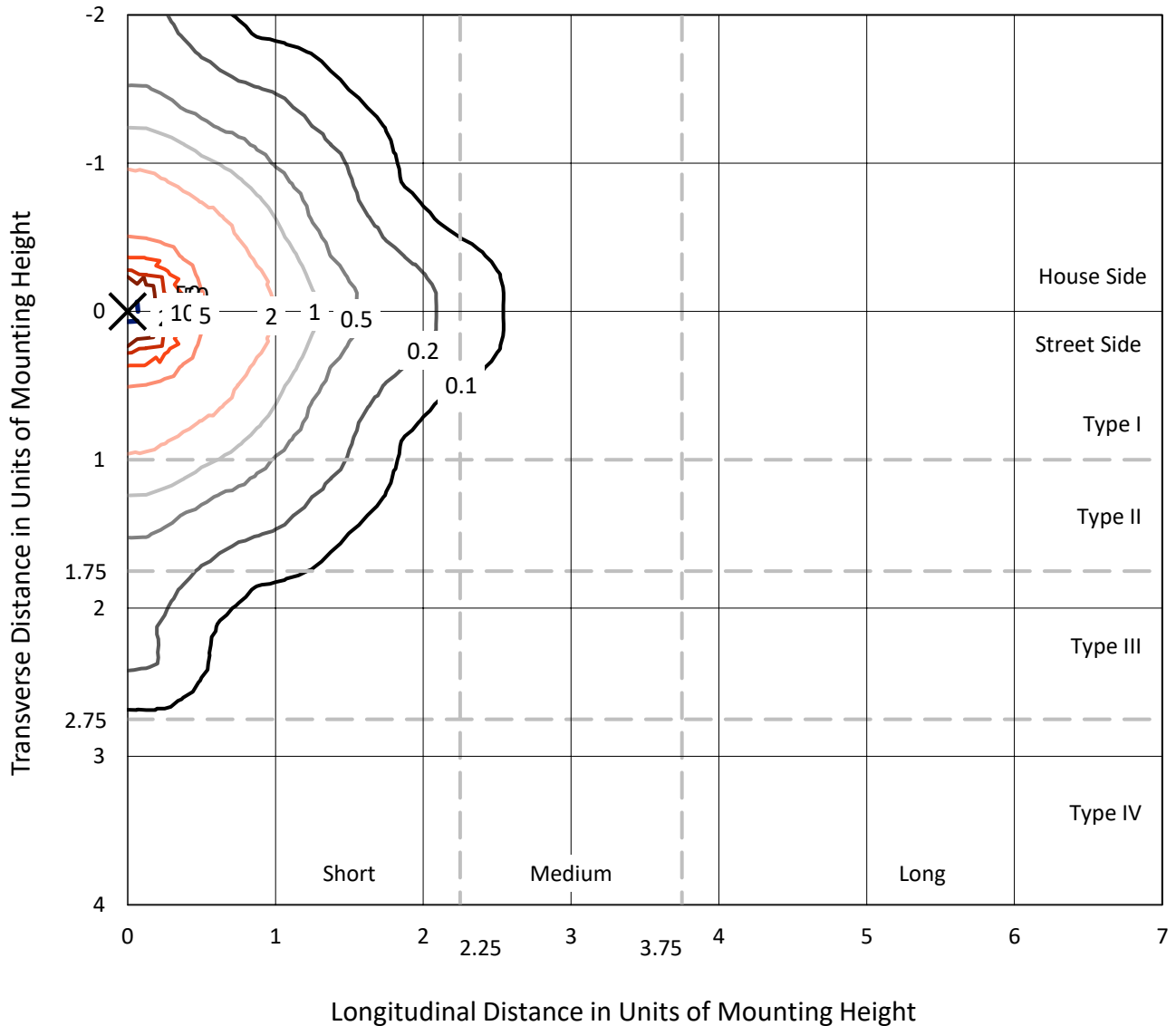
Lumens per Lamp: N/A  
Luminaire Lumens: 9854.1 lumens  
Efficiency: N/A  
Efficacy: 42.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 232.1  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

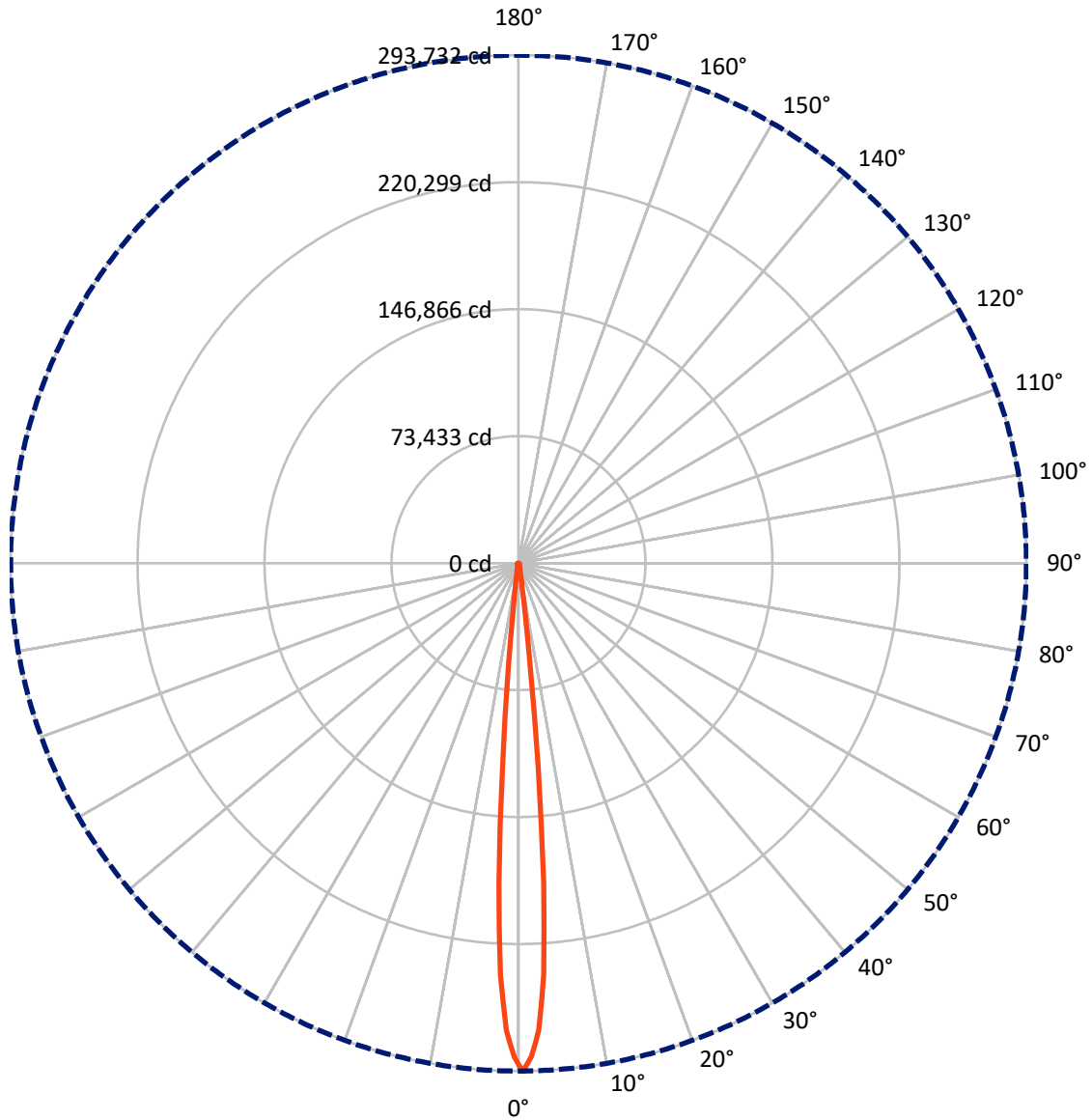
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2937.3 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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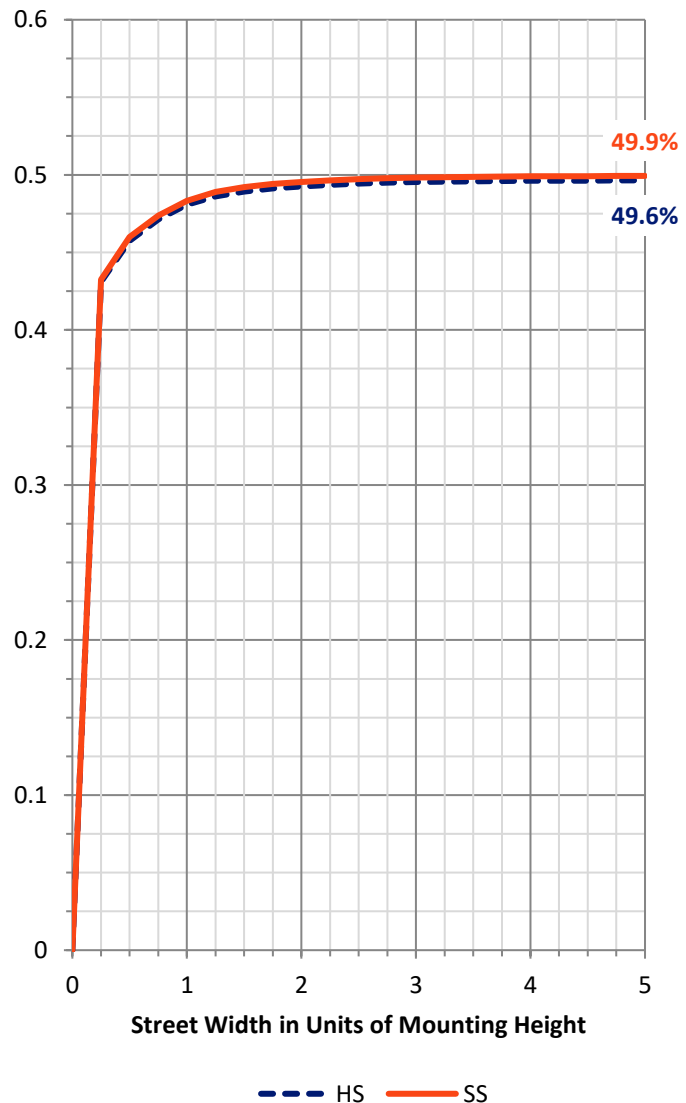
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4927.0	0.0	4927.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4927.0	0.0	4927.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9854.1	0.0	9854.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7567.9	76.8
10°-20°	738.1	7.5
20°-30°	394.3	4.0
30°-40°	325.2	3.3
40°-50°	362.1	3.7
50°-60°	243.5	2.5
60°-70°	155.4	1.6
70°-80°	61.4	0.6
80°-90°	6.0	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°	9854.1	100.0
0°-180°	9854.1	100.0

**Coefficient of Utilization**



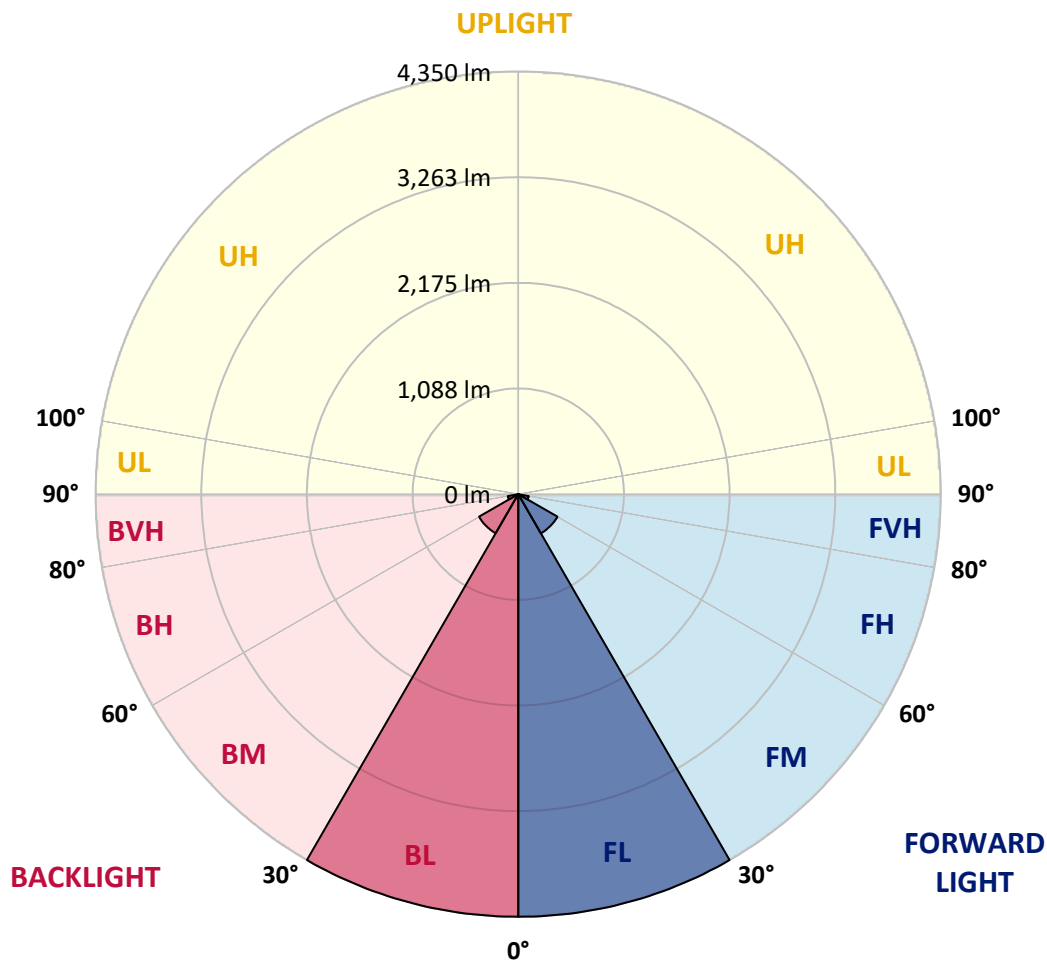
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4350.2	44.1			
FM (30°-60°)	465.5	4.7			
FH (60°-80°)	108.4	1.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4350.2	44.1	B4/5000		
BM (30°-60°)	465.5	4.7	B1/1000		
BH (60°-80°)	108.4	1.1	B0/110		G0/660
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	293731.6	293731.6	293731.6	293731.6	293731.6	293731.6	293731.6	293731.6	293731.6	293731.6
1°	285568.0	286064.6	286154.2	285562.8	284055.0	284410.9	284364.8	284444.1	284295.7	283353.6
2°	270106.0	270840.7	270067.6	268408.7	264973.3	264154.1	261417.6	258363.6	255112.5	251853.7
3°	238544.6	240090.8	238987.5	240758.9	233790.8	233086.8	227332.1	219744.5	212054.4	205823.6
4°	184952.4	187809.3	188188.2	194035.1	188311.1	190100.5	183526.6	172984.8	161480.4	152679.4
5°	117892.5	121875.7	124123.4	129606.7	132243.5	139109.2	135906.7	125326.5	112032.8	101908.3
6°	59567.0	61735.3	67774.2	73802.8	80535.4	89646.2	90880.1	81592.7	71012.5	61295.0
7°	27767.6	28663.5	32923.3	34208.4	41906.1	51790.0	53172.3	48080.6	42500.0	34968.7
8°	14348.4	14696.6	16253.0	17207.9	21698.0	27383.6	28353.8	25148.8	22865.3	19076.6
9°	8836.9	8990.5	9574.1	9789.2	11468.5	13997.7	14340.7	12999.3	12379.8	11071.7
10°	6128.5	6210.4	6484.3	6540.6	7101.2	7933.2	7963.9	7523.6	7533.9	7206.2
12.5°	3266.5	3292.1	3368.9	3376.5	3484.1	3571.1	3550.6	3553.2	3596.7	3553.2
15°	2088.9	2101.7	2147.8	2158.0	2214.3	2245.1	2229.7	2227.1	2242.5	2214.3
17.5°	1489.9	1497.6	1530.8	1559.0	1594.8	1605.1	1600.0	1594.8	1594.8	1569.2
20°	1162.2	1172.4	1195.5	1223.6	1241.6	1259.5	1262.0	1259.5	1251.8	1239.0
22.5°	988.1	993.3	1000.9	1013.7	1026.5	1034.2	1039.3	1041.9	1039.3	1034.2
25°	860.1	865.3	880.6	888.3	888.3	890.9	901.1	906.2	908.8	898.5
27.5°	634.9	647.7	670.7	683.5	683.5	688.6	696.3	706.5	716.8	698.9
30°	491.5	501.7	527.3	527.3	524.8	529.9	537.6	552.9	568.3	547.8
32.5°	442.9	442.9	448.0	450.5	450.5	458.2	463.3	476.1	488.9	483.8
35°	463.3	450.5	435.2	435.2	440.3	455.7	458.2	471.0	483.8	501.7
37.5°	673.3	634.9	578.5	568.3	568.3	586.2	578.5	586.2	609.3	675.8
40°	611.8	581.1	547.8	501.7	501.7	527.3	509.4	519.7	573.4	614.4
42.5°	545.3	545.3	509.4	465.9	465.9	478.7	473.6	478.7	540.1	573.4
45°	504.3	504.3	494.1	424.9	435.2	442.9	442.9	442.9	524.8	535.0
47.5°	481.3	481.3	455.7	391.7	404.5	407.0	412.1	407.0	471.0	506.9
50°	430.1	435.2	391.7	345.6	361.0	361.0	368.6	358.4	407.0	465.9
52.5°	371.2	376.3	309.8	273.9	291.8	289.3	299.5	284.2	322.6	404.5
55°	330.2	327.7	256.0	222.7	243.2	240.6	245.8	227.8	261.1	348.2
57.5°	286.7	291.8	209.9	181.8	204.8	199.7	207.4	186.9	215.0	309.8
60°	253.4	261.1	179.2	153.6	176.6	171.5	179.2	156.2	184.3	279.0
62.5°	243.2	243.2	158.7	130.6	153.6	148.5	153.6	130.6	163.8	256.0
65°	289.3	273.9	143.4	107.5	130.6	125.4	130.6	107.5	143.4	245.8
67.5°	384.0	366.1	135.7	84.5	105.0	97.3	105.0	87.0	125.4	230.4
70°	199.7	212.5	135.7	66.6	79.4	79.4	76.8	66.6	105.0	169.0
72.5°	115.2	117.8	105.0	51.2	61.4	66.6	58.9	51.2	76.8	125.4
75°	64.0	71.7	66.6	38.4	46.1	51.2	43.5	38.4	53.8	89.6
77.5°	38.4	43.5	38.4	25.6	30.7	28.2	30.7	25.6	35.8	58.9
80°	20.5	20.5	20.5	15.4	15.4	17.9	17.9	15.4	20.5	30.7
82.5°	7.7	7.7	7.7	5.1	7.7	7.7	7.7	10.2	10.2	12.8
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
293731.6  
284282.9  
253730.1  
208186.4  
154719.7  
103206.2  
62022.0  
35880.0  
19591.1  
11355.9  
7357.2  
3601.8  
2234.8  
1576.9  
1241.6  
1036.8  
898.5  
696.3  
542.7  
483.8  
512.0  
709.1  
652.8  
576.0  
532.5  
499.2  
460.8  
394.2  
343.0  
302.1  
271.4  
253.4  
245.8  
227.8  
166.4  
122.9  
79.4  
43.5  
25.6  
12.8  
2.6  
2.6  
0.0

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