

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: P524265

Luminaire Tested: **IFLD-S-SA3E-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524265
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-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16893.4 lumens
Efficiency: N/A
Efficacy: 72.8 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): 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

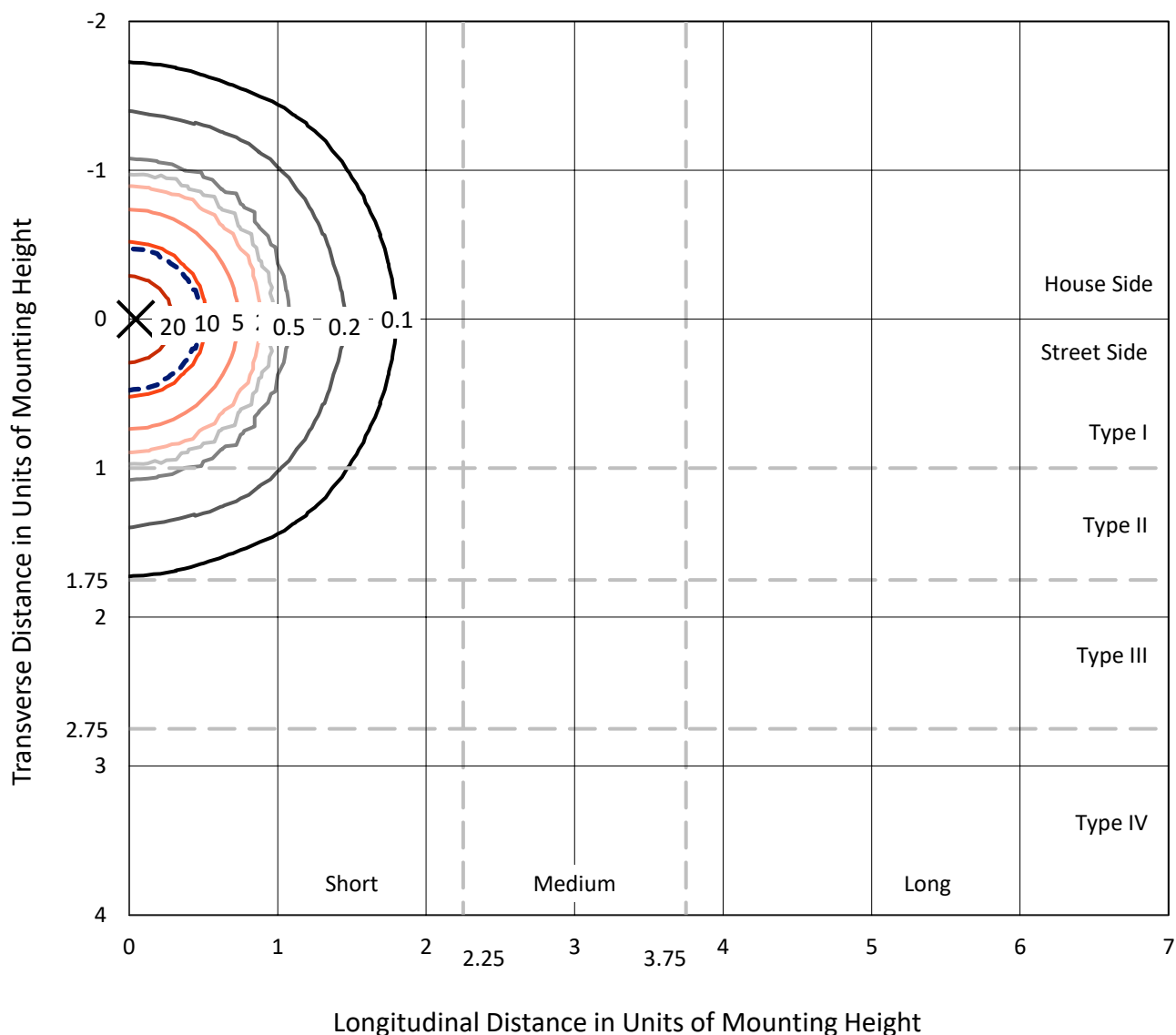
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

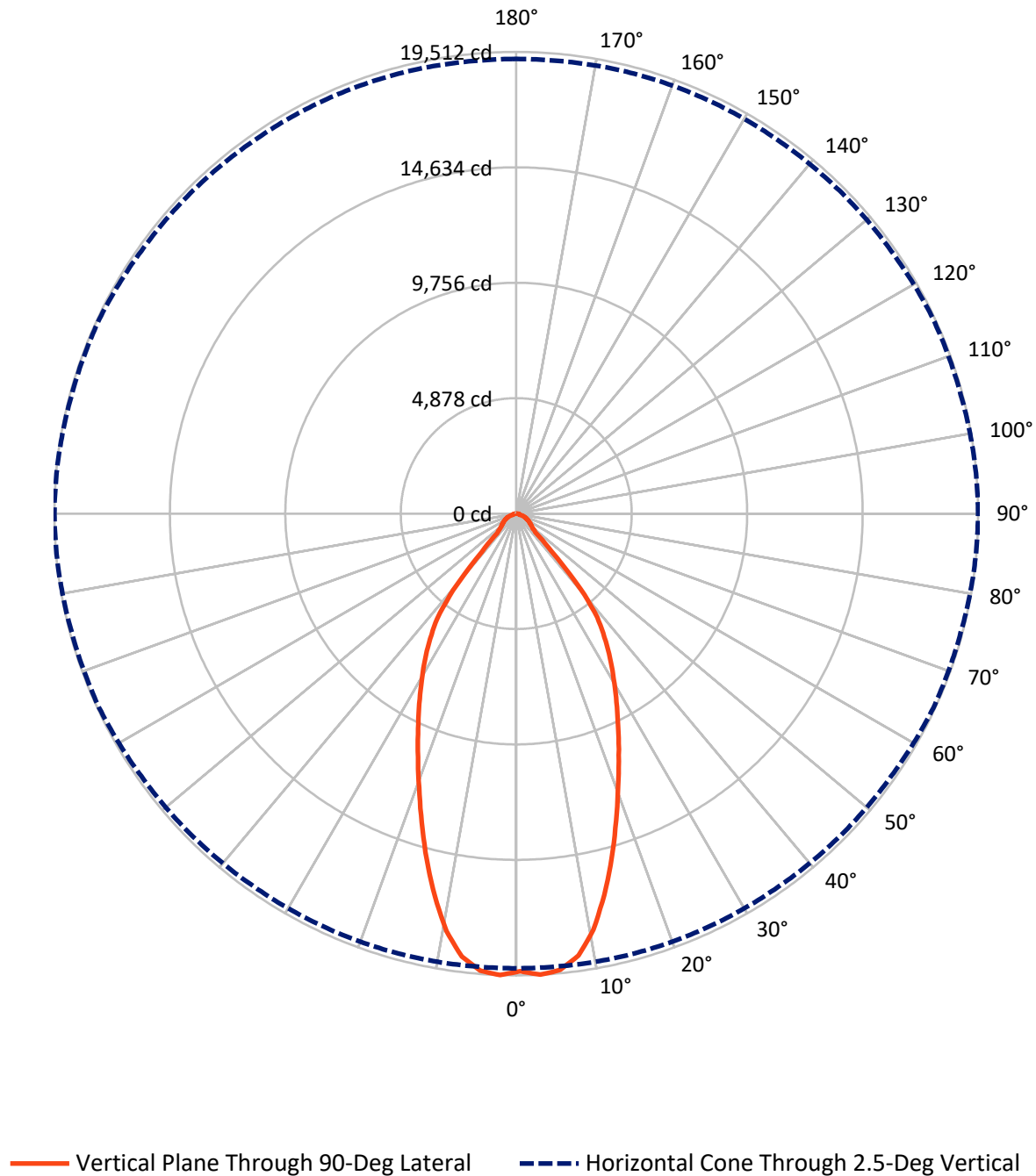


Based on 25 foot mounting height. Maximum calculated value = 30.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8446.7	0.0	8446.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8446.7	0.0	8446.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16893.4	0.0	16893.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1782.7	10.6
10°-20°	4115.1	24.4
20°-30°	4518.0	26.7
30°-40°	3917.5	23.2
40°-50°	1289.0	7.6
50°-60°	577.9	3.4
60°-70°	408.5	2.4
70°-80°	221.8	1.3
80°-90°	62.9	0.4
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°	16893.4	100.0
0°-180°	16893.4	100.0

Coefficient of Utilization



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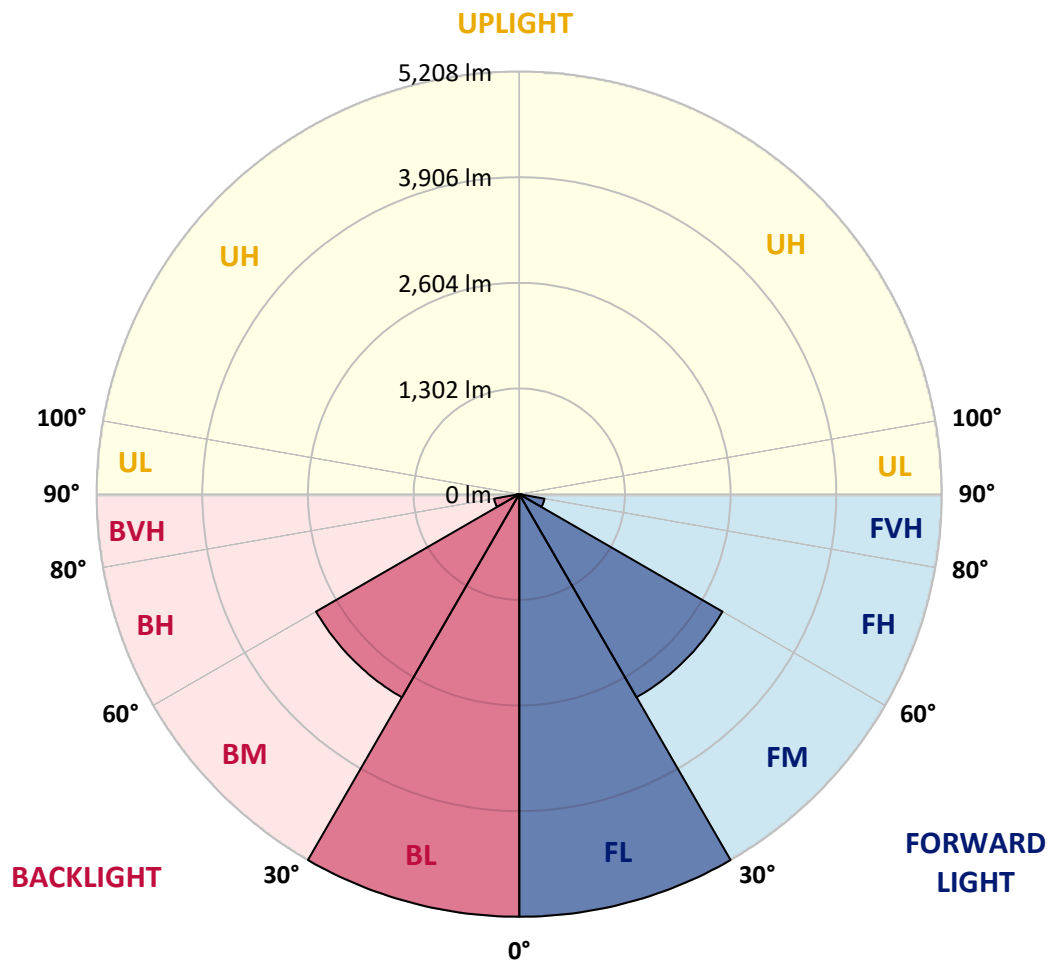
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5207.9	30.8			
FM	(30°-60°)	2892.2	17.1			
FH	(60°-80°)	315.2	1.9			G0/660
FVH	(80°-90°)	31.4	0.2			G1/100
BL	(0°-30°)	5207.9	30.8	B5		
BM	(30°-60°)	2892.2	17.1	B3/5000		
BH	(60°-80°)	315.2	1.9	B1/500		G0/660
BVH	(80°-90°)	31.4	0.2			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°
0°	19337.6	19337.6	19337.6	19337.6	19337.6	19337.6	19337.6	19337.6	19337.6	19337.6
2.5°	19217.3	19214.8	19245.5	19260.8	19268.5	19304.4	19340.2	19434.9	19437.5	19493.8
5°	19191.7	19168.7	19189.2	19158.5	19166.1	19166.1	19212.2	19281.3	19306.9	19363.2
7.5°	18620.9	18615.8	18603.0	18569.8	18610.7	18582.6	18667.0	18728.4	18787.3	18815.5
10°	17556.2	17507.5	17507.5	17461.5	17502.4	17464.0	17602.2	17658.5	17758.4	17817.2
12.5°	16179.1	16158.6	16161.2	16140.7	16138.2	16084.4	16245.7	16294.3	16383.9	16470.9
15°	14709.9	14679.2	14707.3	14707.3	14684.3	14635.7	14807.2	14873.7	15004.3	15045.2
17.5°	13258.6	13245.8	13263.7	13271.4	13253.5	13207.4	13373.8	13519.7	13609.3	13609.3
20°	11927.6	11922.5	11945.6	11922.5	11904.6	11873.9	12027.5	12168.2	12247.6	12252.7
22.5°	10757.9	10786.1	10765.6	10737.4	10699.0	10676.0	10816.8	10947.3	11001.1	11054.8
25°	9731.5	9739.2	9754.6	9711.0	9665.0	9636.8	9741.8	9851.8	9936.3	9967.0
27.5°	8886.9	8915.0	8876.6	8810.1	8784.5	8751.2	8825.4	8904.8	8966.2	9009.7
30°	8065.2	8080.6	8088.3	8019.2	7957.7	7909.1	7970.5	8039.6	8062.7	8101.1
32.5°	7276.9	7302.5	7328.1	7243.6	7200.1	7154.0	7184.7	7228.3	7241.1	7243.6
35°	6491.1	6473.2	6450.1	6419.4	6386.2	6329.8	6360.6	6375.9	6386.2	6386.2
37.5°	5541.5	5556.8	5562.0	5503.1	5487.7	5449.3	5469.8	5472.4	5492.9	5505.7
40°	4192.6	4246.3	4210.5	4174.7	4179.8	4133.7	4126.0	4115.8	4161.9	4179.8
42.5°	2280.6	2372.7	2278.0	2308.7	2285.7	2260.1	2252.4	2265.2	2206.4	2157.7
45°	1146.7	1141.6	1162.0	1162.0	1182.5	1190.2	1172.3	1156.9	1149.3	1128.8
47.5°	924.0	908.7	906.1	918.9	934.2	944.5	929.1	921.4	918.9	931.7
50°	793.5	770.4	762.8	780.7	793.5	803.7	790.9	790.9	788.4	808.8
52.5°	691.1	668.1	668.1	703.9	714.1	724.4	716.7	716.7	716.7	739.7
55°	611.7	593.8	573.3	619.4	652.7	662.9	657.8	655.3	657.8	683.4
57.5°	550.3	540.1	527.3	537.5	588.7	601.5	598.9	598.9	604.1	624.5
60°	491.4	486.3	481.2	481.2	522.2	545.2	542.6	542.6	547.8	560.5
62.5°	437.7	432.6	427.4	432.6	447.9	483.8	483.8	486.3	494.0	499.1
65°	383.9	381.4	381.4	383.9	389.1	417.2	427.4	435.1	442.8	445.4
67.5°	332.7	330.2	332.7	337.9	337.9	350.7	373.7	381.4	389.1	389.1
70°	268.8	281.6	289.2	291.8	296.9	299.5	319.9	335.3	343.0	332.7
72.5°	145.9	166.4	250.8	258.5	261.1	263.6	279.0	296.9	302.0	197.1
75°	104.9	104.9	209.9	222.7	225.2	225.2	238.0	256.0	261.1	151.0
77.5°	69.1	66.5	145.9	161.3	184.3	148.5	194.5	215.0	220.1	125.4
80°	53.8	51.2	112.6	125.4	128.0	102.4	158.7	174.1	176.6	102.4
82.5°	41.0	38.4	81.9	92.1	99.8	66.5	112.6	133.1	138.2	89.6
85°	23.0	23.0	41.0	38.4	58.9	43.5	64.0	66.5	89.6	56.3
87.5°	7.7	10.2	17.9	17.9	20.5	17.9	25.6	25.6	28.2	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

19337.6
19511.7
19373.5
18861.5
17881.2
16529.8
15101.5
13642.6
12280.9
11085.5
9987.5
9022.5
8108.8
7274.3
6416.9
5559.4
4202.8
2180.8
1146.7
941.9
834.4
765.3
698.8
639.9
570.8
506.8
450.5
389.1
294.4
168.9
148.5
122.9
92.1
92.1
53.8
15.4
0.0